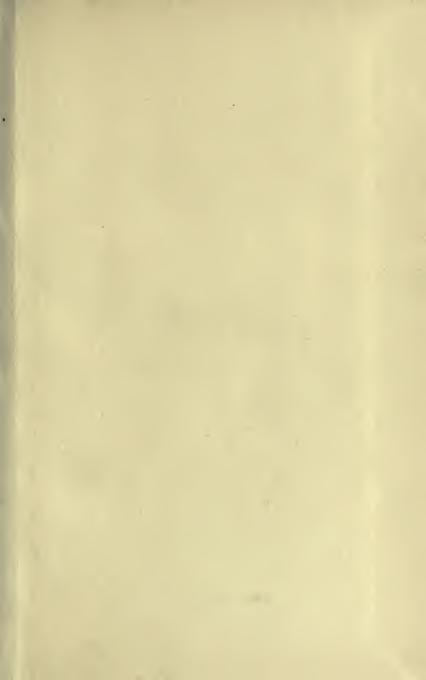


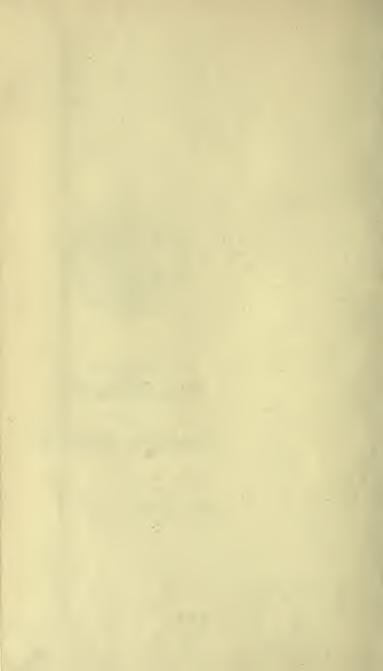
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# MATHEMATICAL TABLES



CHAMBERS'S EDUCATIONAL COURSE

# MATHEMATICAL TABLES

CONSISTING OF

# LOGARITHMS OF NUMBERS

1 то 108000

TRIGONOMETRICAL, NAUTICAL
AND OTHER TABLES

EDITED BY

JAMES PRYDE, F.E.I.S.

NEW EDITION



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# EXPLANATION OF THE TABLES.

# COMMON LOGARITHMS.

(1) A Table of Logarithms is a collection of auxiliary numbers, so constructed, that by it Multiplication of common numbers can be performed by addition of their Logarithms; Division by their subtraction; Involution, or raising of powers, by their multiplication; and Evolution, or extraction of roots, by their division. These auxiliaries or Logarithms are the exponents or powers to which an invariable number called the base has to be raised, in order to produce the number of which it is the Logarithm.

The above expressed in algebraic symbols, where A and B represent two numbers, is

(a) Log. 
$$(\Lambda \times B)$$
 = log.  $\Lambda$  + log. B.

(b) 
$$\operatorname{Log.} \frac{\Lambda}{\mathrm{B}} = \log \Lambda - \log B$$
.

(c) Log. 
$$A^n = n \log A$$
.

(d) Log. 
$$\sqrt[n]{A} = \text{Log. } A^{\frac{1}{n}} = \frac{1}{n} \log_{\bullet} A$$
.

(2) In the following Tables of common logarithms, the base = 10, and the power to which 10 has to be raised to produce any number, is therefore the logarithm of that number; thus,

If, beginning again with 101, we divide successively by 10, we obtain the following results:

When we find from the Table that  $\log$ . 35 = 1.5440680, this means that  $10^{1.5440680} = 10^{\frac{1.5440680}{6}} = 35$ ; or that, if 10 be raised to a power denoted by the numerator of the fractional exponent, and of the number so found the root indicated by the denominator be extracted, the result will be 35. Other logarithms are to be similarly interpreted.

- (3) From the above it appears that the common Log. 1=0, that Log. 10=1; hence, the logarithms of numbers greater than 1 and less than 10, will be greater than 0 and less than 1; in other words, will be some proper fraction or decimal, without an integer; that the logarithms of all numbers greater than 10 but less than 100, will be greater than 1 and less than 2, or will be 1+10 decimal; while the logarithm of a number consisting of 3 integral figures will be 1+11 and less than 100, will be 1+12 a decimal, and so on; the integral part of the logarithm being always one less than the number of integral figures in the number of which it is the logarithm.
- (a) Definition.—The integral part of a logarithm is called its *characteristic*, and the decimal part is called the *mantissa*.
- (4) It also appears that the logarithms of all proper fractions are negative; thus, the logarithm of  $\frac{3}{4}$  or log. 75 is (1, b) log.  $3-\log$ . 4, or 4771213-6020600=-1249387; but subtracting this from 0, the logarithm of 1, we have 18750613, where the *characteristic* only is negative, and the *mantissa* is positive, and consists of the same figures as the *mantissa* of log 75, which is 18750613; from which it appears that the *mantissa* of the logarithm of a number is the same, so long as the digits of the number remain the same, and that the *characteristic* alone changes according to the position of the decimal point; thus,

Log. 43758 = 4.6410575Log. 4375.8 = 3.6410575Log. 437.58 = 2.6410575Log. 43.758 = 1.6410575Log. 4.3758 = 0.6410575Log. 43758 = T.6410575Log. .043758  $= \overline{2}.6410575$ Log. .0043758  $= \overline{3}.6410575$ &c. &c.

- (a) This property of the characteristic and mantissa is only true of logarithms whose base is the same as the root of the scale of arithmetical notation; it is not true of Naperian logarithms; hence, a table of Naperian logarithms, in order to be universally useful, would require to be infinite in extent. For this reason a table of common logarithms is far more general, and more easily used than logarithms calculated to any other base.
- (5) The Characteristic.—From what has been said above, and from the fact that only the *mantissa* of the logarithm is put in the Table, the *characteristic*, in each case, must be supplied by the calculator himself. This is done by the following easy Rules.

- (a) If the number whose logarithm is sought contain one or more integral figures, the characteristic is always one less than the number of integral figures in the number, and is positive.
- (b) If the number is wholly a decimal, its characteristic is the same as the place from the decimal point which its first significant figure occupies, and is negative: in this case the negative sign is placed over the characteristic, to shew that it alone is negative, the mantissa being always positive.
  - (6) TO FIND THE LOGARITHM OF A GIVEN NUMBER BY THE TABLES.

(a) If the number consist of not more than three figures: the mantissa will be found opposite it on one of the first five pages; and the characteristic must be supplied by (5, a) or (5, b), according as it contains an integer, or is all a decimal. In this manner is found,

Log. 852 = 
$$2.9304396$$
  
and Log. 45 =  $\overline{1}.6532125$ 

(b) If the number contain four digits: the mantissa will be found on pages 6 to 185 under 0 at the top of the page, and opposite the number itself in the column marked No. at the left-hand side of the page; and the proper characteristic must be applied as in the last case. In this manner is found,

$$\begin{array}{cccc} & \text{Log.} & 374.5 & = 2.5734518 \\ \text{and} & \text{Log.} & .03745 & = \overline{2}.5734518 \end{array}$$

(c) If the number contain five digits: the mantissa will be found on pages 6 to 185, opposite the first four figures on the left-hand side of the page, and under the fifth at the top. In this way it is found that

Log. 
$$87647 = 4.9427371$$
  
and Log.  $.78539 = \overline{1}.8950854$ 

(d) If the number whose Logarithm is sought contains six or seven figures: find the mantissa corresponding to the first five figures as directed in (c); then take the difference between this logarithm and the next higher in the table, which is the change in the logarithm corresponding to an increase of 1 or a unit in the fifth figure of the number. Now, the sixth figure is tenth parts of this unit, and the sixth and seventh are hundredth parts of this unit; in other words, are decimals in reference to it. Hence, if the difference found above be multiplied by the figures above five, considered as decimals, and the product added to the logarithm found as above, it will be the true logarithm sought; thus: Find the logarithm of 387548.

```
Log. 38754 = .5883165

Log. 38755 = .5883277

their difference is and 112 × .8 = 89.6 or 90 = correction

∴ Log. 387548 = .5883255
```

Find the logarithm of 276.5473.

```
Here Log. 276·55 = 2·4417787

Log. 276·54 = 2·4417580

their diff. is = 157

and 157 × ·73 = 114·61 or 115 = correction

·· Log. 276·5473 = 2·4417695
```

# (7) PROPORTIONAL PARTS BY INSPECTION.

These corrections can also be more readily made, by means of the columns of proportional parts to be found on the right-hand side of each page; thus, under diff. 112, and opposite 8, is found 90, which being added to the last figures of the log. 38754, gives log. 387548 as above. Also, under the difference 157, and opposite 7, is found 110, and opposite 3 is found 47; but 3 being in the seventh place, 47 must be taken as 4.7; which, being nearer to 5 than 4, must be taken as 5; and this added to the 110 gives 115 as the correction to be added to the log. 276.54, to obtain the logarithm of 276.5473; the result being the same as found above.

- (a) The differences change so rapidly at the beginning of the Tables, that for want of room, only every third difference is given, from page 1 to 13, and every second difference, from page 14 to 23: from page 24 to end, every difference is given. When the exact difference is not given, use that which difference is notly by one, and the result will be sufficiently exact for ordinary purposes; but, when the greatest accuracy is required, correct by the rule (d) above.
- (b) The logarithms of numbers from 100000 to 108000 are given on pages 186 to 201, to eight places of decimals; they are to be taken out exactly as described above, five figures of the number being found at the beginning of the page, and the sixth at the top; the correction for the 7th and 8th figures of the number is made as described (6 and 7) above.

## EXERCISES.

1.	The logarithm	of	729	=	2.8627275
2.	The logarithm	of	4.385	=	0.6419696
3.	The logarithm	of	53874	=	4.7313792
4.	The logarithm	of 53	3.8745	=	1.7313833
5.	The logarithm	of .0	03768	=	3.5761109
6.	The logarithm	of 78	53968	=	6.8950891
7.	The logarithm	of .785	39816	=	<u>1</u> .8950899
8.	The logarithm	of 104	7.3564	= 3	3·02009449 (7, b)

# (8) TO FIND THE NUMBER CORRESPONDING TO A GIVEN LOGARITHM.

When the logarithm is not found in the table, take out the next lower and the five figures of the number belonging to it; then, find the difference between this logarithm and the given one, and under the corresponding tabular difference find the proportional part which is equal to this difference, and opposite it is found the sixth figure of the number: but if the difference is not exactly found among the proportional parts, take the next lower part, and the figure opposite it is the sixth figure of the number; subtract this part from the given difference, annex to the remainder a cipher, consider it as a new proportional

part, and find the corresponding figure as before, and it will be the seventh figure of the number.

### EXAMPLE.

Find the number whose logarithm is 3.9212074.

Given logarithm = 3.9212074Number = 8340.7 to next lower log. =  $\frac{3.9212025}{49}$ Number = ......09 to next lower pro. part =  $\frac{47}{20}$ Number =  $\frac{......004}{8340.794}$  is the required number.

## COMPUTATION OF NEGATIVE CHARACTERISTICS.

It is usual to make only the characteristic of a logarithm negative, as the calculations can thus be made more conveniently. Calculations with negative characteristics are made according to the rules of algebraic addition and subtraction.

(9) (a) To add two negative characteristics.

Take their sum, and make it negative. Thus  $\overline{2}$  added to  $\overline{3}$ , gives  $\overline{5}$ .

(b) To add a positive and negative characteristic.

Take their difference, and consider it to be positive or negative according as the positive or negative characteristic is the greater; that is, the difference has the sign of the greater.

Thus 6 and  $\overline{2}$  give 4; 5 and  $\overline{2}$  give 3;  $\overline{5}$  and 2 give  $\overline{3}$ ;  $\overline{2}$  and 1 give  $\overline{1}$ ; and so on.

The following examples will easily be performed by attending to these two rules:

## EXAMPLES.

1. Add 5·3468541 and 3·2685427
5·3468541
3·2685427
2·6153968
2. Add 6·3874654 and 2·9245636

Add 6:3874654 and 2:9245636 6:3874654 7:9245636

2 0210000

5.3120290

In this example the sum in the first decimal place is 13, and the 1 is carried to 6, which gives 7, then 7 and  $\bar{2}$  give 5.

3. Add 2·5632874 and 3·2465281 2·5632874

3·2465281

5.8098155

# (10) To subtract a negative characteristic.

Change its sign to plus, and then add it by the preceding rules for addition. Thus, to subtract  $\overline{3}$  from 2, the result is found by adding 3 to 2, which gives 5. So  $\overline{5}$  subtracted from  $\overline{2}$ , gives 5 and  $\overline{2}$ , or 3; also  $\overline{3}$  subtracted from  $\overline{5}$ , gives 3 and  $\overline{5}$ , or  $\overline{2}$ .

### EXAMPLES.

1. From 2.6847658 subtract 3.2468543

2.6847658  $\overline{3}.2468543$ 

5.4379115

2. From \(\bar{2}\cdot 3468537\) subtract \(\bar{5}\cdot 7654626\)

2·3468537 5·7654626

2.5813911

Here  $\overline{5}$  taken from  $\overline{2}$ , gives 5 and  $\overline{2}$ , or 3; but in subtracting the first decimal places, there is one to be carried; in other words, 1 is to be subtracted from the upper number  $\overline{2}$ , which makes it  $\overline{3}$ , then  $\overline{3}$  and 5 give 2.

**3. From**  $\overline{5}$ :6843252 subtract  $\overline{3}$ :7856310

 $\overline{5}$ ·6843252

3.7856310

 $\overline{3} \cdot 8986942$ 

Here  $\bar{3}$  taken from 5, gives 3 and  $\bar{5}$  or  $\bar{2}$ , and a 1 of carriage, which is of course to be subtracted, gives  $\bar{2}$  and  $\bar{1}$  or  $\bar{3}$ ; or the 1 of carriage, with the  $\bar{5}$  makes  $\bar{6}$ , and  $\bar{3}$  taken from  $\bar{6}$ , gives 3 and  $\bar{6}$  or  $\bar{3}$ .

# (11) To multiply a logarithm with a negative characteristic.

Multiply the fractional part by the common rules; then multiply the negative characteristic, which will give a negative product, and add the carriage to it by the rule (b) above.

Thus  $\overline{2}$ , multiplied by 5, gives  $\overline{10}$ , and if 2 of carriage is to be added, the result is  $\overline{8}$ .

EXAMPLES.

1. Multiply 2.3685464 by 2

**2**·368546**4** 

2

**4·7**370928

2. Multiply

3.7856473 by 6

3.7856473

<del>14</del>·7138838

Here  $\overline{3} \times 6 = \overline{18}$ , and  $\overline{18}$ , with the carriage 4, gives  $\overline{14}$ .

# (12) To divide a logarithm having a negative characteristic.

If the characteristic is divisible by the divisor, write down the quotient with a negative sign, and divide the fractional part by common rules. But if the negative characteristic is not divisible by the divisor, add such a negative number to it as will make it divisible, and prefix an equal positive integer to the fractional part of the logarithm; then divide the increased negative exponent and the other part of the logarithm separately, and the former quotient, taken negatively, will be the characteristic to the fractional part of the quotient.

Thus  $\overline{6}$ , divided by 3, gives  $\overline{2}$ . But to divide  $\overline{10}$  by 3, add  $\overline{2}$  to it, and then  $\overline{10}$  is equal to  $\overline{12}$  and 2; the former, divided by 3, gives  $\overline{4}$ , and the latter  $\frac{2}{3}$ . The quotient, therefore, is  $\overline{4}$  and  $\frac{2}{3}$ .

### EXAMPLES.

1. Divide

 $\overline{6}$ :3246846 by 3  $\overline{6}$ :3246846  $\div$  3 =  $\overline{2}$ :108228**2** 

2. Divide

 $\overline{14}$ :3268472 by 9  $\overline{14}$ :3268472 =  $\overline{18}$  + 4:3268472 =  $\overline{2}$ :4807608

and the quotient is

Here 4 must be added to  $\overline{14}$ , that the sum  $\overline{18}$  may be divisible by 9; and as  $\overline{4}$  is thus added, therefore 4 must be prefixed to the fractional part, and thus the value of the logarithm is unaltered, for there is added to it  $\overline{4}$  and 4, or 0.

# (13) To Perform Multiplication by Logarithms.

Add the logarithms of the factors, and the sum will be the logarithm of the product.

### EXAMPLES.

1. Multiply

2.581926 by 345.7291. L 2.581926 = 0.4119438 L 345.7291 = 2.5387359

Product = 892.647, its log.

= 2.9506797 Sum.

2. Multiply

03902, 59.716, and 00314728. L  $03902 = \overline{2}.5912873$ L 59.716 = 1.7760907L  $00314728 = \overline{3}.4979353$ 

Product = .007333533, its log.

 $= \overline{3.8653133}$  Sum.

# EXERCISES.

1. Multiply 231.4 and 5.062.

Ans. 1171.347.

2. Multiply 35.86, 2.1046, .8372, and .00294.

Ans. ·1857618.

# (14) TO PERFORM DIVISION BY LOGARITHMS.

From the logarithm of the dividend subtract that of the divisor, and the remainder will be the logarithm of the quotient.

### EXAMPLES.

1. Divide  $\begin{array}{c} 371 \cdot 49 \text{ by } 52 \cdot 376. \\ L \ 371 \cdot 49 = 2 \cdot 5699471 \\ L \ 52 \cdot 376 = 1 \cdot 7191323 \end{array} \right\} \\ \text{Quotient} = 7 \cdot 092752 \\ \hline 2. \ \text{Divide} \\ \begin{array}{c} 07438 \text{ by } 129 \cdot 476. \\ L \ 07438 = \overline{2} \cdot 8714562 \\ L \ 129 \cdot 476 = 2 \cdot 1121893 \end{array} \right\} \\ \text{Quotient} = \cdot 0005744694 \\ \hline \end{array}$ 

#### EXERCISES.

 1. Divide 241·63 by 4·567.
 Ans. 52·90782.

 2. Divide ·6314 by ·007241.
 Ans. 87·19792.

# (15) TO PERFORM PROPORTION BY LOGARITHMS.

Add together the logarithms of the second and third terms, and from their sum subtract the logarithm of the first, and the remainder will be the logarithm of the fourth term.

- (a) The arithmetical complement of a number is the remainder, after subtracting it from a number consisting of 1, with as many ciphers annexed as the number has of integers. When the index of a logarithm is less than 10, which is generally the case, its arithmetical complement is found by subtracting it from 10.
- (b) The arithmetical complement of a logarithm is easily found by subtracting its right-hand significant figure from 10, and all those before it from 9.

Instead of subtracting the logarithm of the first term, its arithmetical complement may be added to the logarithms of the second and third, and the sum, after deducting 10 from the index, will be the logarithm of the fourth term.

### EXAMPLE.

Find a fourth proportional to 723.4, .02519, and 3574.862.

As	723.4	2.8593785	ar. com.	7.1406215
To	.02519	$\overline{2}$ ·4012282		$\overline{2}$ ·4012282
So is	3574.862	3.5532592		3.5532592
		1.9544874		<u>1.0951089</u>
To	1244827	1.0951089		

In the first method, the logarithms of the second and third terms are added, and that of the first term is then subtracted from the sum; and in the second method, the arithmetical complement of the logarithm of the first term is added to the logarithms of the second and third, and from 9 the index 10 is subtracted, which gives  $\overline{1}$  for a remainder.

(c) The arithmetical complement of a number is also sometimes understood to be the algebraic remainder after subtracting the number from zero or nothing. Instead of subtracting a number from another, if this arithmetical complement

of the former is added to the latter, the sum will be the required difference without deducting 10 or any other number. Thus, in the above example,

A. C.\* of L 723·4 =  $\overline{3}\cdot1406215$ L ·02519 =  $\overline{2}\cdot4012282$ L 3574·862 =  $\overline{3}\cdot5532592$  $\overline{1}\cdot0951089$ 

which is the same result as before.

# (16) To Perform Involution by Logarithms.

Multiply the logarithm of the given number by the exponent of the power to which it is to be raised, and the product will be the logarithm of the required power.

EXAMPLE.

Find the cube of 30.7146.

Power = 28975.75, its log.

 $=\frac{4.4620347}{4.4620347}$ 

#### EXERCISES.

1. Find the fourth power of 9.163.

Ans. 7049.38. Ans. 5.149062.

2. Find the 365th power of 1.0045.

# (17) To Perform Evolution by Logarithms.

Divide the logarithm of the given number by the exponent of the root which is to be extracted, and the quotient will be the logarithm of the required root.

## EXAMPLES.

1. Find the cube root of 12345.

L 12345 = 4.0914911

Its quotient by 3 Hence = 1·3638304 = L 23·11162 3/ 12345 = 23·11162

 $\sqrt[3]{12345} = 23.111$ 

2. Find the fourth root of .0076542.

 $L \cdot 0076542 = \overline{3} \cdot 8838998$ 

Its quotient by 4 (by 12)  $= \overline{1}\cdot 4709749 = L \cdot 295784$ Hence  $\checkmark \cdot 0076542 = \cdot 295784$ 

(18) To find the value of x in the equation  $a^x = b$ .

By (1, c) we have 
$$x \text{ Log. } a = \text{Log. } b.$$
  
 $\therefore x = \log. b \div \log. a$   
Let  $a = 40$ , and  $b = 10$   
Then  $x = \frac{1.0000000}{1.6020600} = .6241964$ 

<sup>\*</sup> A. C. is a contraction for arithmetical complement.

Next,

let 
$$a = .8$$
, and  $b = 3.1416$   
Then  $x = \frac{\text{Log. } 3.1416}{\text{Log. } \cdot 8} = \frac{0.4971509}{\overline{1.9030900}}$ 

$$= \frac{0.4971509}{-0.0969100}$$

$$= -\frac{.4971509}{.0969100} = -\frac{.4971509}{.969100}$$

$$= -5.130027$$

In this latter case we have to change the divisor  $\overline{1}.9030900$  into -.0969100 before the division can be conveniently performed.

(19) TO FIND THE AMOUNT AND PRESENT VALUE OF A SUM OF MONEY AT COMPOUND INTEREST BY LOGARITHMS.

Let 
$$p =$$
 the principal,  
 $a = "$  amount,  
 $t = "$  time or number of payments of interest,  
 $r = "$  interest of £1 for one period,  
 $(1+r) = R = "$  amount of £1 for one period.

Then (Algebra, 666),

$$a = p R^t \tag{1}$$

which, by taking the logarithms of both sides, becomes

$$Log. a = log. p + t log. R,$$
 (2)

Transposing

$$Log. p = log. a - t log. R,$$
 (3)

$$Log. R = \frac{log. a - log. p}{t},$$
 (4)

$$t = \frac{\log. \ a - \log. \ p}{\log. \ R}.$$
 (5)

Also the interest

$$= a - p = p \left( \mathbf{R}^t - 1 \right) \tag{6}$$

Note.—If in the above formulæ p = the present value of a sum a due t periods hence, they are equally true for the present value; t, r, and R being the same as above.

When t is large, the logarithm of R, in order to obtain correct results, should be taken with more than seven places of decimals; for which reason the most common values of R, with their logarithms carried to ten decimals, are inserted in the following table:

## LOGARITHMS OF R

	LOUARITH	DIS OF	The
R.	Logarithm.	R.	Logarithm.
1.0025		1.0325	
1.0050		1.0350	
1.0075		1.0375	
1.0100		1.0400	
1.0125		1.0425	
1.0150		1.0450	
1.0175		1.0475	
1.0200		1.0500	
1.0225		1.0525	
1.0250		1.0550	
1.0275		1.0575	
1.0300		1.0600	

### EXAMPLE I.

Find the amount and compound interest of £365, 10s., for 19 years at  $4\frac{1}{4}$  per cent.

Since the rate per cent. is 4.25, the rate for £1 = r = .0425, and R = 1.0425, t = .19, and p = .365.5; then by (2),

t log. R = 19 × ·0180760636 = 0·3484452084  
+ log. 
$$p$$
 = log. 365·5 = 2·5628874  
∴ log.  $a$  = log. 805·9954 = 2·9063326  
297  
2908 ÷ 54 = 54.

Hence the amount = £805, 19s. 11d.+

Also the interest = a - p by (6) = £805, 19s. 11d. - £365, 10s. =£440, 9s. 11d.

## EXAMPLE II.

Find the present value of £584, 15s. 6d., due 12 years hence, compound interest at  $3\frac{1}{2}$  per cent.

Since the rate per cent. is 3.5, the rate for £1 = r = .035, and R = 1.035, t = 12, and  $\alpha = .£584.775$ ; then by (3),

Log. 
$$a = \log .584.775$$
 = 2.7669888  
-  $t \log . R = -12 \times .0149403498 = 0.1792841976$   
 $\therefore \log . p = \log .386.9943$  2.5877046024  
6997  
113)49024  
Hence  $p = £386, 19s. 1024. -$  43

## EXAMPLE III.

At what rate per cent. will £365, 10s. amount to £805, 19s. 11d. in 19 years? Here a = 805.995, p = 365.5, and t = 19; hence by (4),

Log. R = 
$$\frac{\log. a - \log. p}{t}$$
  
=  $\frac{2.9063324 - 2.5628874}{19}$   
=  $\frac{0.3434450}{19} = .0180761$  nearly  
=  $\log. 1.0425 \cdot R = 1.0425$   
 $r = .0425$ , and the rate per cent. is therefore  
=  $4.25 = 4\frac{1}{4}$ , the rate sought.

Hence

### EXAMPLE IV.

In what time will £250 amount to £846, 11s.  $9\frac{1}{4}$ d., at 5 per cent. per annum? Since a = 846.5885, p = 250, R = 1.05, by (5),

$$t = \frac{\log. a - \log. p}{\log. R} = \frac{2.9276723 - 2.3979400}{.0211893}$$
$$= \frac{.5297323}{.0211893} = 25 \text{ years, the time sought.}$$

### EXAMPLE V.

Find the present value of £3245 due 30 years hence at 4½ per cent., compound interest.

Here a = 3245, R = 1.045, and t = 30; hence by the Note and (3),

Log. 
$$p = \log_{10} a - t \log_{10} R$$
,  
or  $\log_{10} p = \log_{10} 3245 - 30 \times \log_{10} 1045$   
 $= 3.5112147 - 5734887120$   
 $= 2.937725988 = \log_{10} 866415$   
 $\therefore$  the present value = £866, 8s.  $3\frac{1}{6}$ d. nearly,

## EXAMPLE VI.

The present value of £596 due 12 years hence, compound interest, is £383, 3s. 41d.; what is the rate per cent. per annum?

Here a = 596, p = 383.168, t = 12; hence by the Note and (4),

Log. R = 
$$\frac{\log. a - \log. p}{t}$$
  
=  $\frac{2.7752463 - 2.5833893}{12}$   
=  $\frac{.1918570}{12} = .0159881$   
= Log.  $1.0375 = \log. R$ ;  
 $\therefore R = 1.0375$ , and the rate per cent. is  $3\frac{3}{4}$ .

(20) TO FIND THE AMOUNT AND PRESENT VALUE OF AN ANNUITY, FOR A GIVEN TIME, AT A GIVEN RATE PER CENT. COMPOUND INTEREST.

Let p = the annual or periodic payment;

A = the amount of the annuity improved at compound interest to the end of the time:

v = the present value of the annuity;

R =the amount of £1 for one period;

and t = the number of years, or periods of payment.

Then

$$A = p\left(\frac{R^t - 1}{R - 1}\right)$$
 (Alg., art. 671), (7)

and

$$v = \frac{p(Rt-1)}{Rt(R-1)} = \frac{1}{Rt} A (Alg., art. 672);$$
 (8)

 $\therefore$  also  $A = vR^t$ . (9)

Hence from (7),

Log. A = 
$$\log p + \log (R^t - 1) - \log r;$$
 (10)

from (8),

Log. 
$$v = \log_{10} p + \log_{10} (R^t - 1) - \log_{10} r - t \log_{10} R;$$
 (11)

and from (9).

$$Log. A = log. v + t log. R.$$
 (12)

Transposing (12),

$$Log. R = \frac{\log. A - \log. v}{t}$$

# REDUCTION OF COMMON TO NAPERIAN LOGARITHMS, AND THE CONVERSE.

- (21) The method of using the tables will be seen from the two following examples:
- 1. Find the Naperian logarithm corresponding to the common logarithm 0.9542425.

Com. Log.				Nap. Log.
·95	•••	•••	•••	2.18745584
42	•••		•••	967086
42	•••	***	•••	9671
5		•••		115
9542425				219722456

2. Find the common logarithm corresponding to the Naperian logarithm 2.19722456.

Nap. Log.				Com. Log.
2.	•••	***	•••	<b>.</b> 86858896
19	•••	•••	•••	8251595
72	•••	•••	•••	312692
24	•••	•••	•••	1042
56	•••	•••	•••	24
2.19722456				95424249
		or to 7 pl	aces =	0.9542425

# LOGARITHMIC SINES, TANGENTS, AND SECANTS,

The logarithmic sines, tangents, &c. are the logarithms of the numbers that express the lengths of these lines for any given arc, supposing the radius of the circle to be 10.000.000,000.

- (22) To find the logarithmic sine of an arc.
- (a) When the arc contains degrees and minutes only.

If the number of degrees is under 45, find them at the top of the table, and in the column marked sine at the top, and opposite to the number of minutes in the left-hand column, is the required logarithm.

If the number of degrees exceeds 45, and is less than 90, they will be found at the foot of the page; and in the column marked sine at the foot, and opposite to the number of minutes in the right-hand column, will be found the required logarithm.

The same rule applies to tangents, cotangents, and all the other trigonometrical quantities.

#### EXAMPLES.

The	log.	sine of	36° 24	4′ is	9.7733614
"	"	secant	36° 50	)′ "	10.0967023
"	"	tangent	53° 36	3′ "	10.1323772
1)	"	cotangent	53° 40	)' "	9.8665644

(b) When the arc contains degrees, minutes, and seconds.

Find the logarithm for the number of degrees and minutes as before, and multiply the tabular difference in the difference column next this logarithm by the number of seconds; divide the product by 60, and add the quotient as a proportional part to the preceding logarithm.

If the given quantity is a cosine, cotangent, or cosecant, the proportional part for the seconds must be subtracted from the logarithm for the degrees and minutes.

## EXAMPLES.

1. Find the logarithmic tangent of 36° 40′ 50".

Log. tan. 
$$36^{\circ}$$
  $40'$  =  $9.8718486$   
Proportional part =  $2637 \times \frac{5}{80}$  =  $\frac{2197}{9.8720683}$   
Log. tan.  $36^{\circ}$   $40'$   $50''$  =  $9.8720683$ 

2 To find the logarithmic cosecant of 53° 20' 24".

Log. cosec. 
$$53^{\circ}$$
 20' =  $10.0957589$   
Prop. part =  $940 \times \frac{24}{60}$  =  $-376$   
Log. cosec.  $53^{\circ}$  20' 24" =  $10.0957213$ 

The rule depends on this principle: The tabular difference for any logarithm is the difference between it and the next higher, and therefore is the difference corresponding to 60''; hence if D denote the tabular difference, and d the proportional part to be added for the number of seconds n, then

60 : 
$$n = D$$
 :  $d$ , and  $d = \frac{nD}{60}$ 

This supposes the differences to be constant, which is nearly the case for several consecutive logarithms.

## EXERCISES.

- Find the logarithmic sine of 36° 24′ 36″.
   Ans. 9·7734642.
   Find the logarithmic cotangent of 53° 32′ 42″.
   Ans. 9·8684953.
- (23) To find the number of degrees, minutes, and seconds corresponding to any logarithmic sine, tangent, or secant.
  - (a) When the logarithm is found in the tables.

The number of degrees will be found at the top or foot of the page, according as the name of the logarithm is at the top or foot of the column, and the minutes are found in the proper column, as in (22).

## EXAMPLES.

- 1. The log. tan. 9.8673583 corresponds to 36° 23'.
- 2. The log. cos. 9.7776128 corresponds to 53° 11'.
- (b) When the given logarithm is not found in the table exactly.

Find the next lower logarithm in the proper column, and take the degrees and minutes corresponding to it when it is a sine, tangent, or secant; find the difference between this logarithm and the given one; multiply this difference by 60, and divide by the tabular difference, and the quotient will be the number of seconds required.

(c) When the given logarithm is that of a cosine, cotangent, or cosecant, it is to be taken from the next higher logarithm in the table, and the seconds found from the remainder as above.

## EXAMPLES.

1. Find the degrees, minutes, and seconds corresponding to the logarithmic sine 9:9047423.

Next lower  $9.9047106 = \log \sin 53^{\circ} 25'$ Given log. 9.9047423 317, and tab. diff. = 937. Difference  $n = \frac{317 \times 60}{937} = 20^{\circ\circ}3$ Hence  $9.9047423 = \log$ , sine 53° 25′ 20″.3. and

2. Find the number of degrees, minutes, and seconds corresponding to the logarithmic cosecant 10.2280452.

Next higher  $10.2281850 = \log_{10} \cos_{10} \cos$ Given log. 10.2280452 Difference 1398, and tab. diff. = 1722 $n = \frac{1398 \times 60}{1722} = 48^{\circ \circ} 7$ Hence

 $10.2280452 = \log$ . cosec.  $36^{\circ}$  15' 48".7 The rule depends on the proportion in article 22, or

and

D: 
$$d = 60$$
:  $n$ , and  $n = \frac{60d}{D}$ .

### EXERCISES.

- 1. Find the degrees, &c. corresponding to the logarithmic tangent 9.8644658. Ans. 36° 12′ 4″.6.
- 2. Find the degrees, &c. corresponding to the logarithmic cotangent 9.8734523. Ans. 53° 13′ 55".

## RULES FOR SMALL ARCS.

(24) The differences for the logarithmic sines and tangents of small arcs, not exceeding 3° 15', are very variable, and therefore the logarithmic sines and tangents for such a small are containing seconds cannot be accurately found, since the proportional part is computed on the supposition that the differences are constant for a difference of 60" in the arc. Hence if the logarithmic sine of an arc nearly 90° were to be found by using that of a small arc obtained in the usual way, the error in this logarithm would cause an error of several seconds on the former arc, because the differences corresponding to 60" for arcs nearly 90° are comparatively small. For the same reason, when the logarithmic sine or tangent of a small arc is given, the arc cannot be accurately found in the usual way. It is seldom such small angles enter into calculations, but when they do so, they or their logarithmic sines or tangent may be calculated by the subjoined rules.

# (25) TO FIND THE LOGARITHMIC SINE OF A SMALL ARC.

To the logarithm of the arc reduced to seconds add 4.6855749, and from the sum subtract  $\frac{1}{3}$  of its logarithmic secant, the index of the latter logarithm being previously diminished by 10; the remainder is the required logarithmic sine.

### EXAMPLE.

Find the logarithmic sine of 1° 44′ 36".8.

$$a = 1^{5} 44' 36'' \cdot 8 = 6276'' \cdot 8, \text{ and its log.} = 3.7977383$$

$$\text{Constant number} = \frac{4 \cdot 6855749}{8 \cdot 4833132}$$

$$-\frac{1}{3} \text{(Log. sec. } a - 10\text{)} = \frac{1}{3} \times .0002011 = 0.0000670$$
Hence log. sine of 1° 44′ 36″ · 8 = 8·4832462

# (26) To find the logarithmic tangent of a small arc.

To the logarithm of the arc reduced to seconds add 4.6855749, and two-thirds of the logarithmic secant, the index of the latter logarithm being previously diminished by 10; the sum is the required logarithmic tangent.

### EXAMPLE.

Find the logarithmic tangent of 1° 44′ 36".8.

$a = 1^{\circ} 44' 36".8 = 6276".8$ , and its log. Constant number		3·7977383 4·6855749
$+\frac{2}{3}$ (Log. sec. $a-10$ ) = $\frac{2}{3} \times .0002011$	_	8·4833132 0·0001341
Hence log. tangent of 1° 44′ 36″·8	_	8.4834473

# ( 27 ) To find a small arc of which the logarithmic sine is given.

To the given logarithmic sine add  $\overline{5}$ :3144251, and  $\frac{1}{3}$  of the corresponding logarithmic secant, the index of the latter logarithm being previously diminished by 10, and the sum will be the logarithm of the number of seconds in the arc.

## EXAMPLE.

Find the arc corresponding to the logarithmic sine 8.4832462.

The arc is found in the ordinary way to be 1° 44′ 36″, and the logarithmic secant of this arc is 10.0002011; hence

Given log. sine = 8:4832462 Constant number = 5:3144251 \( \frac{1}{3} \) (Log. sec. -10) = 0:0000670 L 6276":8 = 3:7977383

Hence  $a = 6276^{\circ}.8 = 1^{\circ} 44^{\circ} 36^{\circ}.8$ .

# (28) TO FIND A SMALL ARC, OF WHICH THE LOGARITHMIC TANGENT IS GIVEN.

To the given logarithmic tangent add  $\overline{5}$ :3144251, and from this sum subtract two-thirds of the corresponding logarithmic secant, previously diminishing its index by 10; then the remainder is the logarithm of the number of seconds in the arc.

### EXAMPLE.

The logarithmic tangent of a small arc is 8.4834473; required the arc.

It is found in the usual way that the arc is nearly  $1^{\circ}$  44′ 36″, and its log. secant = 10.0002011.

Given log. tangent = 8.4834473Constant number =  $\frac{5.3144251}{3.7978724}$  $-\frac{2}{3}$  (Log. sec. -10) =  $\frac{0.0001341}{3.7977383}$ 

Hence  $a = 6276^{\circ}.8 = 1^{\circ} 44^{\circ} 36^{\circ}.8$ .

From the smallness of the differences of the logarithmic secants of small arcs, an error of a few seconds in the arc would cause an error of less than 1 in the sixth decimal place, and generally the error on the required arc from this source would be less than  $\frac{1}{10}$  of  $1^n$ .\*

# ANGLES CONTAINED BY THE MERIDIAN WITH EVERY POINT AND QUARTER-POINT OF THE COMPASS.

(29) In this table the value of the points and quarter-points contained by any rhumb line and the meridian is given in degrees, &c.

Thus the number of points contained by the rhumb line of N.N.E. or N.N.W. with the meridian is 2 points =  $22^{\circ}$  30'.

So the points contained between E.N.E.  $\frac{1}{4}$  E. and N.; or between E.S.E.  $\frac{1}{4}$  E. and S. are =  $6\frac{1}{4}$  points =  $70^{\circ}$  18' 45".

<sup>\*</sup> A proof of the rules, from which the above are easily deduced, is given in Woodhouse's Trigonometry, page 262.

# LOGARITHMIC SINES, TANGENTS, ETC. TO EVERY POINT AND QUARTER-POINT OF THE COMPASS.

(30) When angles are given in points instead of degrees, it is convenient to know their logarithmic sines, tangents, &c. without converting them into degrees; and these logarithms are given in this table.

Thus the log. tan. of  $3\frac{1}{2}$  points = 9.9141732.

# AREAS OF THE SEGMENTS OF A CIRCLE, TO DIAMETER = 1.

- (31) In this table there are given the height of the segment to diameter = 1, and adjacent to it the area of the segment to diameter = 1. When the diameter is not 1, divide the height of the segment by the diameter; the quotient will be the height to diameter = 1, which call h, and let A represent the central angle, and C the circular measure of the arc of the segment; then  $\sqrt{h}$  = the natural sine of  $\frac{A}{4}$ , from which A can be found; then, from the table of 'Circular Measure of Angles,' C can be found; the tabular area is then =  $\frac{1}{2}$  (C sin. A); from which the table can be calculated.
  - (32) TO CALCULATE THE AREA OF A CIRCULAR SEGMENT.

RULE.—Divide the height by the diameter, look for the quotient in the column of heights, and take out the corresponding area, which multiply by the square of the diameter; the product will be the area sought.

#### EXAMPLE.

The height of a segment is 16, and the diameter 105; find the area.

# CIRCULAR MEASURE OF ANGLES, OR LENGTH OF ARCS TO RADIUS =1.

- (33) To find the circular measure of an arc, the angular measure of which is given; and conversely.
- (a) Find the degrees in the arc at the top of the page, and the minutes at the left-hand side; then, under the degrees and opposite the minutes, is the length sought; but if the angle contain seconds, to this result add the number opposite the seconds on the right-hand side of the page, and the sum will be the length sought.

(b) Conversely: When the length or circular measure is given, find the given length in the table; then the degrees at the top and the minutes at the left-hand side is the angular measure sought, when the length is found in the table exactly; but if the length is not found exactly in the table, take the degrees and minutes corresponding to the next less are, and subtract this next less are from the given one, and opposite the remainder on the right-hand side of the page will be found the seconds in the are

# NATURAL SINES, COSINES, VERSED SINES, AND CHORDS.

(34) The natural sines, cosines, versed sines, chords, &c., contained in this table, are the lengths of these functions of arcs of a circle whose radius = 1. They are all decimal fractions, though the point is not prefixed, except where they are equal to or greater than 1, in which case the point is inserted. Or, they are the lengths of the same functions, in integers, to radius = 10,000,000.

The natural sines and cosines of arcs, also the arcs for any given natural sines or cosines, are found from the table by the same method as that used for logarithmic sines and cosines.

The natural sines and cosines of arcs are easily found from the logarithmic sines and cosines, by merely subtracting 10 from the indices of the latter, and then the number corresponding to this logarithm is the natural sine or cosine required. In the same manner the natural tangents, secants, &c. can be found.

Let s = the natural sine of an arc, and S = the sine of the same arc, whose logarithm is the logarithmic sine: then S = 10,000,000,000 sand LS = 10 + L sor L s = LS - 10.

### EXAMPLE.

Given the logarithmic sine of 36° 44′, namely, 9'7767676, to find the natural sine of the same arc.

L sine 36° 44′ = 9.7767676 Subtract  $10^{\circ}$ L nat. sine  $\overline{1.7767676}$ Hence natural sine =  $\cdot$ 5980915

If the chord of an arc greater than 90° be required, take *twice* the natural sine of *half* that arc, and it will be the chord required. Or, let c = the chord of its supplement; then the square root of (2+c) (2-c) = the required chord. Or the chord sought  $= \sqrt{4-c^2}$ .

Note.—This table can be used for finding the length of a degree of longitude corresponding to any given latitude; thus, multiply the natural cosine of the given latitude by 60, the product will be the length of a degree of longitude in geographical or nautical miles; or multiply the same by 69·121, and the product will be the length in English miles.

# NATURAL TANGENTS AND COTANGENTS, SECANTS AND COSECANTS.

(35) This table is used in the same manner as the table of natural sines and cosines, namely, by finding the degrees at the top of the page, and the minutes of the angle at the left side of the page, when the quantity sought is a tangent or secant; but the degrees must be found at the bottom of the page, and the minutes at the right-hand side of the page, when the quantity sought is a cotangent or cosecant; the quantity sought will then be found at the angle of intersection of these columns, or it is the only quantity which is common to both columns.

If the given angle contain seconds, find the difference between the quantity corresponding to the minutes in the given angle, and that corresponding to the next higher minute, which will give the change for 1' = 60'', which call D, and let d be the correction corresponding to the seconds in the given angle, which call s; then

$$60'':s'':: D:d$$
 
$$\therefore d = \frac{sD}{60} = \text{the correction sought.}$$

This correction must be applied by addition if the quantity sought be a tangent or secant, but by subtraction if it be a cotangent or cosecant.

If the angle be sought which corresponds to a given tangent or secant, cotangent or cosecant; find the next less, if it be not found exactly in the table, when the given quantity is a tangent or secant, but the next greater when it is a cotangent or cosecant, and take the difference between it and the given quantity, which call d; also take the difference between this tabular quantity and that corresponding to the next higher minute, which call D; then

D: 
$$d$$
::  $60''$ : ( $s$  = the seconds sought),  

$$\therefore s = \frac{60 \ d}{D}$$

#### EXAMPLE I.

Find the natural tangent of 42° 17′ 43".

Natural tangent of 42° 17′ = '9093984 + '9099300   

$$m = 42^{\circ} 18' = 9099300$$

Difference for  $60'' = D = 5316$ 

$$d = \frac{43 D}{60} = \frac{43 \times 5316}{60} = 3810 + \frac{1}{2}$$

• natural tangent 42° 17′ 43″ = '9097794

### EXAMPLE II.

Find the natural cotangent of 42° 17′ 43".

Natural cotangent of 42° 17′ " 42° 18′	=	1·0996281+ 1·0989857
Difference for $60'' = D$	-'=	6424
$d = \frac{43 \text{ D}}{60} = \frac{43 \times 6424}{60}$	=	4604-
natural cotangent 42° 17′ 43"	=	1.0991677

### EXAMPLE III.

Find the angle whose natural tangent is '7342856.

Given natural tangent = '7342856  
Natural tangent 36° 17' = '7341253  

$$\therefore d$$
 = 1603  
Also natural tangent 36° 18' = '7345730  
 $\therefore D$  = 4477  
But  $s = \frac{60 \ d}{D} = \frac{60 \times 1603}{4477} = \frac{96180}{4477} = 21" \cdot 5.$ 

Hence  $\cdot 7342856 = \text{natural tangent of } 36^{\circ} 17' 21'' \cdot 5.$ 

### EXAMPLE IV.

Find the angle whose natural cotangent is 2.1583764.

Given natural cotangent	=	2.1583764
Natural cotangent of 24° 51'	=	2.1592476
∴ d	=	8712
Also natural cotangent of 24° 52'	=	2.1576015
D	=	16461
But $s = \frac{60 \times d}{D} = \frac{60 \times 8712}{16461} =$	$\frac{522720}{16461}$	= 31".7.

Hence  $2.1583764 = \text{natural cotangent of } 24^{\circ} 51' 31'' \cdot 7.$ 

(36) The calculations for the secants and cosecants, where the angle involves seconds, is the same as those given above for tangents and cotangents.

# DIFFERENCE OF LATITUDE AND DEPARTURE;

# OR, TRAVERSE TABLE.

(37) These tables contain the parts of right-angled plane triangles whose greatest sides are integers not exceeding 300; the angles in pages 334 to 349 being given to every quarter-point of the compass, and those from pages 350 to 394 to every degree of the quadrant. If the sides of the proposed triangle should exceed the limits of the table, they may be divided by any number that

will bring the quotients within these limits; and then the results from the table, multiplied by the same number, will give the required parts of the proposed triangle; observing that the angles must in no case be multiplied and divided.

These tables are very useful in resolving problems in Navigation by inspection in which right-angled triangles are concerned, when minute accuracy is not required; and from their use in facilitating the reduction of compound courses to single ones, they are called *Traverse Tables*.

Each angle at the top or the bottom of the page may be considered as the vertical angle of a right-angled triangle, and the side opposite that angle is found in the column marked Dep, the adjacent side in the column marked Lat, and the hypotenuse in the column marked Dist, all adjoining each other in the same line.

Thus, with the vertical angle 33°, and base 128, the perpendicular is found 1971, and the hypotenuse 235. With the perpendicular 115°9, and base 209, the vertical angle is found 61°, and the hypotenuse 239.

With a course of  $3\frac{1}{2}$  points, and a distance of 256, the difference of latitude is found 1979 in the column marked Lat, and the departure 1624 in the column marked Dep. With a middle latitude 39° considered as the vertical angle of a right-angled plane triangle, and a departure of 1412, considered as the perpendicular of the same triangle, we have the difference of longitude nearly 182, as the hypotenuse in the column marked Dist. With a course of 18°, and a meridional difference of latitude of 217 in the column of Lat, we have in the column of Dep. nearly 70.5 for the difference of longitude.

# TO COMPUTE THE EQUATION OF EQUAL ALTITUDES.

(38) In taking equal altitudes of the sun, one in the forenoon and the other in the afternoon, since the sun's declination generally changes in the interval, the hour angles corresponding to the two altitudes are not exactly equal. Hence half the interval added to the time of the first observation requires a correction, in order to give the time shewn by chronometer when the sun is on the meridian. This correction is called the 'equation of equal altitudes.'

# DIURNAL PROPORTIONAL LOGARITHMS.

(39) Instead of the logarithms in this table being the logarithms of the number of minutes in the time, they are the logarithms of the minutes in  $24^{\rm h} = 1440^{\rm m}$  diminished by the logarithm of the minutes in the given time; thus, the logarithm in the table for  $7^{\rm h}$   $14^{\rm m} = 434^{\rm m}$  is

L 1440 − L 434 or 3·1583625 − 2·6374897 = ·5208728 ∴ L 7h 14m = ·52087 to five decimals. To work a proportion by this table, let  $a=24\,\text{h}$ , b= any less number of hours, or hours and minutes; c= any number of hours and minutes, or degrees and minutes, or minutes and seconds of an angle: then

$$a:b::c:x=$$
 the answer;  
and dividing  $a$  by each term  $\frac{a}{a}:\frac{a}{b}::\frac{a}{c}:\frac{a}{x}$   
hence  $\frac{a}{x}=\frac{a}{b}\times\frac{a}{c}$  since  $\frac{a}{a}=1$   
 $\therefore$  L  $\frac{a}{x}=$  L  $\frac{a}{b}+$  L  $\frac{a}{c}$ 

and therefore the tabular logarithm of x = the sum of the tabular logarithms of b and c.

#### EXAMPLE.

If the change in right ascension of a body be  $6^{\circ}$  21' in 24h, what will be its change in  $17^{h}$   $25^{m}$ ?

Here we have	24h: 17h 25m	::6°	21' : x	
but	L 17h 25m	=	13925	
and	L 6° 21'	=	57744	
	L 4° 36′ 29″	=	•71669	Sura.

Hence the change sought =  $4^{\circ}$  36' 29'.

#### TERNARY PROPORTIONAL LOGARITHMS.

(40) The logarithms given in this table are the remainders found by subtracting the common logarithm of the seconds in the time, from the logarithm of the seconds in three hours = 10800 seconds; thus, the logarithm of  $1^h$   $50^m$   $19^s = 6619^s$  is

. I. 1h 50m 19s = 21263 to five decimals.

#### EXAMPLE.

If the moon's change of declination in three hours be 6' 18", what will be its change in 2h 45m 30s?

L 
$$2h 45m 30s = .03647$$
  
L  $6' 18' = 1.45593$   
L  $5' 47' \cdot 5 = 1.49240$  Sum.

Therefore the change sought = 5' 47".5.

## AMPLITUDES.

(41) By means of this table the true amplitude is taken out by inspection, whereby the method of finding the variation of the compass, by comparing the magnetic with the true amplitude, is very much facilitated. The table is to be entered with the declination at the top, and the latitude in the left-side column, and under the declination and opposite to the latitude will be found the amplitude sought. When there are minutes in the declination or latitude, or in both, take proportional parts of the change for one degree, and apply the result to the quantities given in the table.

## SEMI-DIURNAL AND SEMI-NOCTURNAL ARCS.

(42) This table shews half the time that a celestial object continues above the horizon, when the declination and latitude are of the same name, or below it when they are of contrary names; hence, from it the apparent time of its rising and setting may be obtained.

The table is to be entered with the latitude in the left-hand column and the declination at the top; in the angle of meeting will be found the arc required, which, if the object be the sun, will be the apparent time of his setting when the latitude and declination are of the same name, and of his rising when they are of contrary names; this subtracted from 12 hours will give the apparent time of the sun's rising in the former case, and of his setting in the latter; double the time of his rising will be the length of the night, and double the time of his setting the length of the day.

The semi-diurnal arc expresses the time that a celestial object takes in ascending from the eastern horizon to the meridian; or of its descending from the meridian to the western horizon.

#### EXAMPLE.

Suppose in latitude 51° 30′ N., when the sun's declination is 20° N., it be required to find the apparent time of the sun's rising and setting, with the length of the day and night.

Under dec. 20°, and taking half the sum of that corresponding to 51° and 52°, we get for the apparent time of sun setting		m. 49
Which being taken from	12	
Gives the apparent time of the sun's rising	4	11
Then 7h 49m × 2, gives for the length of the day	15	38
And $4^{h}$ $11^{m} \times 2$ , gives for the length of the night	8	22

## TO FIND THE APPARENT TIME OF A STAR'S RISING AND SETTING.

(43) Subtract the sun's right ascension from the star's right ascension, increased, if necessary, by 24 hours; the remainder will be the approximate time of the star's passing the meridian.

Then, with the latitude of the place and the star's declination, enter the table,

and find the semi-diurnal arc corresponding thereto, which being subtracted from the time of the meridian passage, will give the time of the star's rising, and added to the same will give the time of its setting.

To obtain the mean time of the sun or a star's rising or setting, the equation of time, taken from the *Nautical Almanac*, must be applied to the apparent time found as above.

The mean time of the rising and setting of the planets may be computed as above, by taking out their declination and meridional passage from the *Nautical Almanac* for the given year.

## TO FIND THE TIME OF THE RISING AND SETTING OF THE MOON.

(44) Take the mean time of the moon's meridional passage at Greenwich from page iv. of the *Nautical Almanac*, and to it apply the correction from table, page 432, to obtain the time of her meridional passage at the given place.

Then, with the moon's declination at the time of her passing the meridian (N, A), page v. to xii. of each month), and the latitude of the place, find the semi-diurnal arc, and increase it by  $\frac{1}{30}$ th of itself, subtract the sum from the time of the meridional passage, and the remainder will be the time of her rising nearly; again, add the same increased arc to the time of the meridional passage, the sum will be the time of her setting nearly.

(45) If still greater accuracy be required, take from the Nautical Almanac the moon's declination corresponding to the approximate times of rising and setting as found above, reduced to Greenwich time; find the semi-diurnal arcs corresponding to each declination and the latitude of the place; then, from Table (396-7) add the logs. of the semi-diurnal arcs thus found, and that of the daily change of the moon's meridional passage; the sums will be the logs. of the corrections to be added to these arcs to find the true semi-diurnal arcs; then apply each of the results to the time of the moon's meridional passage as directed above, and the times of rising and setting will be found very near the truth.

## MERIDIONAL PARTS.

(46) The table of meridional parts is used in nautical computations in Mercator's sailing, and in finding the lengths of the meridian lines on maps constructed on Mercator's projection; it can be calculated from the formula—

Mer. pts. = 
$$7915.7046$$
 {Log<sub>10</sub> tan.  $(45 + \frac{l^{\circ}}{2}) - 10$ },  $l^{\circ}$  being the latitude.

## EXAMPLE I.

To find the meridional difference of latitude for two given latitudes, namely,  $57^{\circ}$  9' N. and  $35^{\circ}$  1' N.

M. P. for 57° 9′ = 4199·2 N. M. P. for 35° 1′ = 2245·5 N. Meridional diff. lat. = 1953·7 When the latitudes are of different names, the meridional parts for the two given latitudes are to be added and the sum will be the required meridional difference of latitude.

#### EXAMPLE II.

A ship has sailed northerly till her meridional difference of latitude is 1052, and the latitude of the port sailed from was 38° 17′ N.; required the latitude in.

M. P. for  $38^{\circ}$  17' = 2489.9 N. Meridional diff. lat. = 1052.0 N. M. P. for  $50^{\circ}$  43' = 3541.9 N.

The latitude in is therefore 50° 43'.

When the given latitude of the place sailed from and the meridional difference of latitude have different names, the difference between the meridional parts of the latitude sailed from and the meridional difference of latitude must be taken, and the required latitude corresponding to this difference will be of the same name with the latitude sailed from, when the meridional parts for the latter exceed the meridional difference of latitude, but of a different when they are less

#### EXAMPLE III.

The latitude left is 15° 9′ N., and the meridional difference of latitude is 695.6 S.; required the latitude in.

M. P. for 15° 9′ = 919·8 N.

Meridional diff. of lat. = 695·6 S.

M. P. for 3° 44′ = 224·2 N.

Hence the latitude in is 3° 44' N.

#### EXAMPLE IV.

The latitude left is 11° 36′ N., the meridional difference of latitude is 1238 S.; required the latitude in.

M. P. for 11° 36′ = 700 · 8 N. Meridional diff. of lat. = 1238 · 0 S. M. P. for 8° 55′ = 537 · 2 S.

Hence the latitude in is 8° 55' S.

## APPARENT DEPRESSION OF THE HORIZON.

(47) The apparent depression of the horizon for any height of the eye not exceeding 110 feet, is given in this table. The principle on which it is constructed is explained in article 855 of the *Practical Mathematics*.

The depression, for example, of the horizon when the height of the eye is 30 feet, is 5' 18", and this is to be *subtracted* from the observed altitude.

If the observed altitude is 40° 18′ 9″, and the height of the eye 12 feet, then opposite to 12 is the dip 3′ 21″; hence—

Observed altitude =  $40^{\circ}$  18' 9" Dip for 12 feet = -0 3 21 Apparent altitude =  $40^{\circ}$  18' 9" 40 14 48

## DIP OF THE SEA AT DIFFERENT DISTANCES FROM THE OBSERVER.

(48) When the altitude of an object is to be taken, and the horizon is not bounded by the sea in consequence of intervening land, the altitude is taken from the line bounding the sea and land; and as this line is lower than the horizon, the correction for its depression will be greater than that for the depression of the sea horizon, and the more so the nearer this line is to the eye of the observer. The quantity of this depression is given in the table.

The depression, for example, when the height of the eye is 30 feet, and the bounding-line  $2\frac{1}{4}$  miles distant, is 8'.

Let the observed altitude =  $32^{\circ}$  14 Then dip for 30 feet and  $2\frac{1}{2}$  miles of distance = 0 8 Hence apparent altitude = 32 6

## CONTRACTION OF THE SEMI-DIAMETERS OF SUN AND MOON.

(49) In the uppermost line of this table is the altitude of the sun or moon, and in the left column is the inclination of that semi-diameter to the horizon, whose contraction is required. (See *Practical Mathematics*, article 846.)

whose contraction is required. (See *Practical Mathematics*, article 846.)

Thus, for an altitude of 10°, the contraction of the vertical diameter, whose inclination to the horizon is 90°, is 8"; for an altitude of 14°, and an inclination of 45°, the contraction is 2".

Also, when the horizontal semi-diameter of the moon is 15' 30", and its altitude 12°, its semi-diameter, which is inclined 60° to the horizon, is

$$= 15' 30'' - 4'' = 15' 26''$$

## REDUCTION OF MOON'S EQUATORIAL PARALLAX.

(50) In the top line of this table is contained the horizontal equatorial parallax registered in the *Nautical Almanac*; and the correction to be applied to it, in order to reduce it to the horizontal parallax for any latitude, is given in the column under it, and opposite to the latitude, which is contained in the left column. The correction is always subtractive.

Thus, for example, the reduction for a registered parallax of 54' 20", and the latitude of 36°, is 3".7; hence the horizontal parallax for the given latitude is

$$= 54' 20'' - 3''\cdot 7 = 54' 16''\cdot 3.$$

## MEAN REFRACTION.

(51) In this table, the mean refraction is given for the pressure 29.6 inches, and temperature 50°. The principle on which it is computed is explained in Prob. VIII., article 852, of the *Practical Mathematics*.

The refraction for an altitude of 32° 10′ is found opposite to it in the next column, and is 1′ 30″.

Apparent altitude =  $32^{\circ}$  10′ 0″ Mean refraction = 0 1 30 True altitude =  $32^{\circ}$  8 30

## CORRECTION OF MEAN REFRACTION.

(52) When the pressure and temperature differ from 29.6 and 50°, the correction can be computed by the formula in article 853 of the *Practical Mathematics*.

In the preceding example, in which the apparent altitude is  $32^{\circ}$  10', let the temperature and pressure be  $69^{\circ}$  and  $30^{\circ}35$ , instead of  $50^{\circ}$  and  $29^{\circ}6$ ; then the correction in the table for

Altitude 32° 10′ and temperature 69° is = -0° 0′ 4″Altitude 32° 10′ and pressure 30°35 is = +0 0 2Correction for both is = -0 0 2Mean refraction = 0 1 28Apparent altitude = 32 10 0True altitude = 32 8 32

## SUN'S PARALLAX IN ALTITUDE.

(53) This table contains the altitude of the sun in one line, and its parallax in the adjacent line, which is always additive to the altitude.

## BESSEL'S REFRACTIONS.

(54) Professor Bessel, of Königsberg, constructed the table given as Bessel's Refractions, which is now generally used where great accuracy is required. In addition to the observed apparent altitude, it is necessary to ascertain the height of the barometer, upon which depends the factor B; also of the thermometer attached to the barometer, upon which depends the factor t; and of the temperature of the external air, upon which depends the factor T. If the attached thermometer is not observed, we may assume that its indications are the same as those of the external thermometer.

The refraction may be computed either by natural numbers or by logarithms. The latter method is the more accurate, as the corrections required for small altitudes, indicated by the factors M and N, can be conveniently applied only with logarithms. When the altitude is not small, and the greatest accuracy is not required, the use of logarithms may be dispensed with.

BY NATURAL NUMBERS.—Let R = the mean refraction in seconds taken from the table, and B, t, and T, as stated above; then the true refraction in seconds  $= R \times B \times t \times T$ .

#### EXAMPLE.

The observed altitude of a star was 38° 17′ 45″; the barometer, 30·57 inches; the attached thermometer, 40°·7 Fahr.; and the external, 41°·3 Fahr. It is required to compute the refraction.

Mean refraction for  $38^{\circ}$  17' 45'' is 1' 13'' = 73'' = R. Barometer, 30.57; factor B, 1.033. Attached thermometer,  $40^{\circ}.7$ ; factor t, 0.999. External thermometer,  $41^{\circ}.3$ ; factor T, 1.014. B  $\times$  t  $\times$  T = 1.033  $\times .999$   $\times$  1.014 = 1.046. True refraction =  $73'' \times 1.046$  = 76''.3 = 1' 16''.3.

By Logarithms.—Take from the table the factor log. B, corresponding to the height of the barometer; and the factors log. t and log. T, corresponding to the attached and external thermometers. Also take log. A and M and N corresponding to the apparent altitude. Multiply the sum of log. B and log. t by M; also multiply log. T by N. Take the algebraic sum of these products, and add to it log. A, and the logarithmic cotangent of the apparent altitude. The sum will be the logarithm of the refraction expressed in seconds of arc. The rule is expressed algebraically as follows: The logarithm of the refraction in seconds is = log. cotan. app. alt. + log. A + M (log. B + log. t) + N log. T.

#### EXAMPLE.

The observed apparent altitude of a star was 7° 10′ 15″; the barometer, 29.98 inches; the attached thermometer, 53°.4 Fahr.; and the external thermometer, 51°.6 Fahr. Required the refraction.

```
Log. cot. 7^{\circ} 10' 15" ... ... ... = 0.90028 M = 1.0073

Log. A ... ... ... = 1.73350 N = 1.0724

Log. t = -0.00083

Log. B + log. t = +0.00476

M (log. B + log. t) = 1.0073 × .00476 = 0.00479

N log. T = 1.0724 × -0.00241 = -0.00258

\therefore log. refraction = 2.63599
```

= 432".5 = 7' 12" 5

Befraction

## CORRECTION OF MOON'S MERIDIAN PASSAGE.

(55) In the top line of this table is contained the daily retardation corresponding to the registered meridian passage, and in the left column the longitude; under the former and opposite to the latter is the correction to be applied to the time of the registered passage at Greenwich on the given day, to obtain the meridian passage at the given place. It is to be applied by addition for west, and by subtraction for east longitude. (See an example and explanation in the *Practical Mathematics*, articles 869 and 870.)

## AUGMENTATION OF MOON'S SEMI-DIAMETER.

(56) In this table the moon's horizontal semi-diameter is given in the top line, and its apparent altitude in the left column; under the former and opposite to the latter is the augmentation, or increase in the moon's apparent semi-diameter, on account of her being nearer to the observer than when in the horizon.

Thus, for the horizontal semi-diameter 15' 20", and altitude 21°, the augmentation is 5".5; hence the augmented semi-diameter

$$= 15' \ 20'' + 5'' \cdot 5 = 15' \ 25'' \cdot 5.$$

## MUTUAL CONVERSION OF SIDEREAL AND MEAN TIME

(57) In this table the given time, whether mean or sidereal, is to be found in the left column; and in the next column to the right is the corresponding correction to be applied by addition or subtraction, according as sidereal or mean time is required.

The correction to be subtracted from sidereal time is called the *retardation* of mean on sidereal time; and the correction to be added to mean time is called the *acceleration* of sidereal on mean time.

The upper half of the table is used for changing solar into sidereal time by adding the correction; and the lower half for changing sidereal into solar time by subtracting the correction.

## EXAMPLE.

Given 10h 18m 58s·32 of mean time, to find the corresponding sidereal time.

Given time					202	h. 10			mean time.
Acceleration	on		m. ()		_	0		38:57	
	"		18		=	_	0		
"	"	0	0	58	=	0	0	0.16	
"	"	0	0	0.32	=	0	0	0.00	
		10	18	58.32	=	+ 0	1	41.69	
Requi	ired	sid	loro	al time	_	10	20	40.01	

For an example in reducing sidereal to mean time, see Practical Mathematics, article 865.

For a table of time equivalents, see Nautical Almanac, pages 488 to 491.

## REDUCTION OF DEGREES TO TIME.

(58) This table is used for reducing longitude to time at the rate of 15° to 1h. The degrees, minutes, or seconds are given in the odd columns, and the corresponding time in the even columns. When the first column is reckoned degrees, the second is hours and minutes of time; and when the first is minutes of space, the second is minutes and seconds of time; and so on.

#### EXAMPLE.

Convert 161° 5' 20" of longitude into time.

		h.	m.	8.
160°	=	10	40	0
1°	=	0	4	0
5'	=	0	0	20
20"	=	0	0	1.3
Required time	=	10	44	21.3

## REDUCTION OF TIME TO DEGREES.

(59) This table is the converse of the preceding. The time is given in the odd, and the longitude in the even columns. The corresponding denominations of time and space are to be understood as in the preceding table.

## EXAMPLE.

Convert 5h 22m 10s 40t to longitude. (It equals 70 of 1s.)

5h	==	75°	0'	0′′
22m	=	5	30	0
10s	=	0	2	30
40t	=	0	0	10
Required longitude	=	80	32	40

## MEAN MOTION OF SUN FOR PERIODS OF MEAN TIME.

(60) This table gives, in parts of space, the mean motion of the mean sun in right ascension for periods of mean time.

Thus, the sun's mean motion in right ascension in 10 hours of mean time is = 24' 38".469, and in 10 days it is 9° 51' 23".25.

The mean motion in the table is just equivalent to the retardation in mean time on the corresponding tabular mean time, or to the acceleration in sidereal time on the corresponding tabular time considered as sidereal.

The corresponding mean motion in parts of space in this table, and the accelerations and retardations in the table, page 433, are therefore equivalents.

Thus, for 21 hours mean time, the mean motion is 59' 8".325; the retardation, 3m 55s.91 mean time; and the acceleration is 3m 56s.56 sidereal time.

Since	24h	s.t.	=	24h m.t.	-	3m 5	5s.91 m.t.
Therefore	24h	m.t.	=	24h s.t.	+	3m. 5	5s.91 m.t.
Also	24h	m.t.	=	24h s.t.	+	3m 56	3s·56 s.t.
And	24h	m.t.	=	360°	+	59' 8	<b>"·32</b> 5
Also	24h	s.t.	==	360° of equa	tor, whe	refore	
	59' 8	3".325	=	3m 56s 56 s.t.	=	3m 55	s•91 m.t.

By converting the time in this table, considered as sidereal, into its value in parts of space (by table, page 434), and adding to it the corresponding mean motion, the sum will be the value of the time, considered as mean time, expressed in parts of the equator.

Thus, 
$$24^{\text{h}}$$
 m.t. =  $24^{\text{h}}$  s.t. + 59′ 8″ 325  
=  $360^{\circ}$  59′ 8″ 325.

## DISTANCE OF THE VISIBLE HORIZON.

(61) By means of this table the distance of the visible horizon corresponding to any given height can be found by inspection; and conversely.

#### EXAMPLE.

The distance of the visible horizon for a height of 720 feet is 28.53 miles.

This is, however, the tangential distance; and if the actual distance is required, a correction for refraction must be added. (See *Practical Mathematics*, articles 587 and 594.)

Thus, if the refraction at the time of observation increases the distance  $\frac{1}{10}$ , then the actual distance for the above example is

$$= 28.53 + 2.85 = 31.38$$
 miles.

When the distance of the horizon seen from any height is given, the height can be found by the same table. In this case the actual distance is previously to be reduced to the tangential distance by subtracting a necessary correction for refraction.

When the given height is beyond the limits of the table, take  $\frac{1}{4}$ ,  $\frac{1}{4}$ , or  $\frac{1}{16}$ ... of it, and multiply the corresponding distance by 2, 3, or 4... respectively, and the result is the tangential distance. The reason of this rule is, that the heights are proportional to the squares of the distances.

Thus, if the height is 10200, take its fourth, 2550, and the corresponding distance 53.7 multiplied by 2, gives 107.4, the tangential distance for 10200 feet.

In practice, however, the use of the table ought to be limited to 60 or 80 miles.

## REDUCTION OF THE MOON'S HORIZONTAL PARALLAX AND SEMI-DIAMETER TO ANY GIVEN GREENWICH DATE,

(62) Find the change in the horizontal parallax or semi-diameter for 12 hours at the top of the table, and under that change, and opposite to the time on the left for which the correction is required, will be found the seconds to be applied by addition or subtraction, according as the quantity whose correction is required is increasing or decreasing.

## BINOMIAL COEFFICIENTS FOR INTERPOLATION BY DIFFERENCES.

(63) In this table, if t = the part, the 2d diff.  $= \frac{t(t-1)}{1 \cdot 2}$ , the third diff.  $= \frac{t(t-1)(t-2)}{1 \cdot 2 \cdot 3}$ , the 4th diff.  $= \frac{t(t-1)(t-2)(t-3)}{1 \cdot 2 \cdot 3 \cdot 4}$ , and the 5th diff.  $= \frac{t(t-1)(t-2)(t-3)(t-4)}{1 \cdot 2 \cdot 3 \cdot 4 \cdot 5}$ . When t is +, the 1st, 3d, and 5th differences are +, and the 2d and 4th -; but if t is -, the 1st, 3d, and 5th are -, and the 2d and 4th +.

## LINKS TO BE SUBTRACTED FROM EACH CHAIN IN AN ASCEND-ING OR DESCENDING LINE, IN ORDER TO REDUCE IT TO THE HORIZONTAL MEASURE.

(64) In measuring inclined lands, the lines measured in an acclivity or declivity being longer than their projections on the horizontal plane, must be reduced according to the angle of ascent or descent.

The number of links to be deducted from each chain, for any number of degrees in the angle, as far as 23° 4′, are given in Part I. of the table.

The Second Part contains the angles to which corresponds a reduction of a whole number of links or quarter links. As it is more convenient to subtract these numbers than those in Part I., the angle in Part II. nearest to the observed angle may be chosen, and the corresponding number of links used for reduction, which will generally be sufficiently correct in practice. If greater accuracy is required, multiply the measured length into the natural cosine of the inclination to the horizon (Table, page 263).

#### EXAMPLES.

- 1. For an angle of 9°, the reduction by Part I. on a line of 12 chains, would be  $12 \times 1.24 = 14.88$  links, and the horizontal line is = 1200 14.88 = 1185.12.
- 2. For the same angle and line, the reduction by Part II. is  $12 \times 1\frac{1}{4} = 15$  links, and the horizontal line is = 1200 15 = 1185 links.

## HEIGHT OF APPARENT ABOVE TRUE LEVEL.

(65) This table is very useful in levelling, as it contains the corrections to be deducted from the height of a point on apparent level with another point, in order to determine that which is on a true level with the latter.

Thus, for a distance of 100 chains, the correction is 111 inches.

So for a distance of 80 chains, or 1 mile, the correction is 8 inches. But if refraction is taken into account, the correction will be  $\frac{1}{6}$  less, or = 8 inches  $-1\frac{1}{8}$  inch  $= 6\frac{2}{8}$  inches. Or  $h = \frac{5}{6}$   $d^2 = \frac{5}{6} \times 1^2 = \frac{5}{6}$  feet = 6.7 inches.

## AREAS, APOTHEMS, AND ANGLES OF POLYGONS.

(66) This table contains the apothems, areas, interior and central angles of polygons for the side = 1; for any other length of side, multiply the tabular apothem by the given length of the side, and the tabular area by the square of the length, and the products will be the apothem and area sought. The angles remain the same whatever the length of the side may be.

## QUARTER SQUARES OF ALL NUMBERS, FROM 1 TO 5100.

(67) This table is used for performing multiplication by addition and subtraction alone: for, since  $\frac{1}{4}(a+b)^2 - \frac{1}{4}(a-b)^2 = ab$ ; if a = the multiplicand and b = the multiplier, then the quarter square of their sum, diminished by the quarter square of their difference, gives their product; thus, let a = 736, and b = 247, then (a+b) = 983, and (a-b) = 489;

But Q. sq. of 983 = 241572And Q. sq. of 489 = 59780

 $ab = 736 \times 247 = 181792$  diff. = product.

Also, if a = 593, and b = 406, then (a + b) = 999, and (a - b) = 187; But Q. sq. of 999 = 249500

And Q. sq. of 187 = 8742

∴  $ab = 593 \times 406 = 240758$  diff. = product.

Note 1.—The quarter squares of all odd numbers are given here ½ or 25 too small; but this never causes any error in the calculation, for if the sum of two numbers be odd, so is their difference, and the fourths destroy each other.

Note 2.—This table may also be used for obtaining the squares of numbers; for, if the quarter squares be multiplied by 4, the product will be the square of the number, if it be even; and increased by 1, will be the square if the number be odd; or, the quarter square of double the number is always the square of that number.

## CONVERSION OF THE DIFFERENT THERMOMETRIC SCALES.

(68) The conversions in this table apply only to integral degrees; the equivalents of fractions being readily ascertained by proportion from the difference between the equivalent of the degree given and that of the next higher in the table; but any of the scales may be converted into the other by the following formulæ:

Let F°= the Fahrenheit degrees; R°= the Reaumur; C°= the Centigrade.

Then 
$$F^{\circ} = \frac{9}{4} R^{\circ} + 32^{\circ} = \frac{9}{6} C^{\circ} + 32^{\circ}$$
  
 $R^{\circ} = \frac{4}{6} C^{\circ} = \frac{4}{9} (F^{\circ} - 32^{\circ})$   
 $C^{\circ} = \frac{5}{9} (F^{\circ} - 32^{\circ}) = \frac{5}{4} R^{\circ}$ 

## TABLE

OF

# LOGARITHMS

SEVEN PLACES OF DECIMALS,

OF NUMBERS

1 то 108000.

No. Log.	No. Log.	No. Log.	No. Log.	No. Log.
1 0000000	51 7075702	101 0043214	151 1789769	201 3031961
2 3010300 3 4771213	52 7160033 53 7242759	102 0086002 103 0128372	152 1818436 153 1846914	202 3053514 203 3074960
4 6020600	54 7323938	104 0170333	154 1875207	204 3096302
5 6989700	55 7403627	105 0211893	155 1903317	205 3117539
6 7781513 7 8450980	56 7481880 57 7558749	106 0253059 107 0293838	156 1931246 157 1958997	206 3138672 207 3159703
8 9030900	58 7634280	107 0293838 108 0334238	158 1986571	208 3180633
9 9542425	59 7708520	109 0374265	159 2013971	209 3201463
10 0000000	60 7781513	110 0413927	160 2041200	210 3222193
11 0413927 12 0791812	61 7853298 62 7923917	111 0453230 112 0492180	161 2068259 162 2095150	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
13 1139434	63 7993405	113 0530784	163 2121876	213 3283796
14 1461280	64 8061800	114 0569049	164 2148438	214 3304138
15 1760913 16 2041200	65 8129134 66 8195439	115 0606978 116 0644580	165 2174839 166 2201081	215 3324385 216 3344538
17 2304489	67 8260748	117 0681859	167 2227165	217 3364597
18 2552725	68 8325089	118 0718820	168 2253093	218 3384565
19 2787536 20 3010300	69 8388491 70 8450980	119 0755470 120 0791812	169 2278867 170 2304489	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
21 3222193	71 8512583	121 0827854	171 2329961	221 3443923
22 3424227	72 8573325	122 0863598	172 2355284	222 3463530
23 3617278 24 3802112	73 8633229 74 8692317	123 0899051 124 0934217	173 2380461 174 2405492	223 3483049 224 3502480
25 3979400	75 8750613	125 0969100	175 2430380	225 3521825
26 4149733	76 8808136	126 1003705	176 2455127	226 3541084
27 4313638	77 8864907	127 1038037	177 2479733	227 3560259
28 4471580 29 4623980	78 8920946 79 8976271	128 1072100 129 1105897	178 2504200 179 2528530	228 3579348 229 3598355
30 4771213	80 9030900	130 1139434	180 2552725	230 3617278
31 4913617	81 9084850	131 1172713	181 2576786	231 3636120
32 5051500 33 5185139	82 9138139 83 9190781	132 1205739 133 1238516	182 2600714 183 2624511	232 3654880 233 3673559
34 5314789	84 9242793	134 1271048	184 2648178	234 3692159
35 5440680	85 9294189	135 1303338	185 2671717	235 3710679
36 5563025 37 5682017	86 9344985 87 9395193	136 1335389 137 1367206	186 2695129 187 2718416	236 3729120 237 3747483
38 5797836	88 9444827	138 1398791	188 2741578	238 3765770
39 5910646	89 9493900	139 1430148	189 2764618	239 3783979
40 6020600	90 9542425	140 1461280	190 2787536	240 3802112
41 6127839 42 6232493	91 9590414 92 9637878	141 1492191 142 1522883	191 2810334 192 2833012	241 3820170 242 3838154
43 6334685	93 9684829	143 1553360	193 2855573	243 3856063
44 6434527 45 6532125	94 9731279 95 9777236	144 1583625 145 1613680	194 2878017 195 2900346	244 3873898 245 3891661
46 6627578	96 9822712	146 1643529	196 2922561	246 3909351
47 6720979	97 9867717	147 1673173	197 2944662	247 3926970
48 6812412 49 6901961	98 9912261 99 9956352	148 1702617 149 1731863	198 2966652 199 2988531	248 3944517 249 3961993
50 6989700	100 0000000	150 1760913	200 3010300	250 3979400

No.	Log.	No. Log.	No. Log.	No. Log.	No. Log.
251	3996737	301 4785665	351 5453071	401 6031444	451 6541765
252	4014005	302 4800069	352 5465427	402 6042261	452 6551384
253	4031205	303 4814426	353 5477747	403 6053050	453 6560982
254	4048337	304 4828736	354 5490033	404 6063814	454 6570559
255	4065402	305 4842998	355 5502284	405 6074550	455 6580114
256	4082400	306 4857214	356 5514500	406 6085260	456 6589648
257	4099331	307 4871384	357 5526682	407 6095944	457 6599162
258	4116197	308 4885507	358 5538830	408 6106602	458 6608655
259	4132998	309 4899585	359 5550944	409 6117233	459 6618127
260	4149733	310 4913617	360 5563025	410 6127839	460 6627578
261	4166405	311 4927604	361 5575072	411 6138418	461 6637009
262	4183013	312 4941546	362 5587086	412 6148972	462 6646420
263	4199557	313 4955443	363 5599066	413 6159501	463 6655810
264	4216039	314 4969296	364 5611014	414 6170003	464 6665180
265	4232459	315 4983106	365 5622929	415 6180481	465 6674530
266	4248816	316 4996871	366 5634811	416 6190933	466 6683859
267	4265113	317 5010593	367 5646661	417 6201361	467 6693169
268	4281348	318 5024271	368 5658478	418 6211763	468 6702459
269	4297523	319 5037907	369 5670264	419 6222140	469 6711728
270	4313638	320 5051500	370 5682017	420 6232493	470 6720979
271	4329693	321 5065050	371 5693739	421 6242821	471 6730209
272	4345689	322 5078559	372 5705429	422 6253125	472 6739420
273	4361626	323 5092025	373 5717088	423 6263404	473 6748611
274	4377506	324 5105450	374 5728716	424 6273659	474 6757783
275	4393327	325 5118834	375 5740313	425 6283889	475 6766936
276	4409091	326 5132176	376 5751878	426 6294096	476 6776070
277	4424798	327 5145478	377 5763414	427 6304279	477 6785184
278	4440448	328 5158738	378 5774918	428 6314438	478 6794279
279	4456042	329 5171959	379 5786392	429 6324573	479 6803355
280	4471580	330 5185139	380 5797836	430 6334685	480 6812412
281	4487063	331 5198280	381 5809250	431 6344773	481 6821451
282	4502491	332 5211381	382 5820634	432 6354837	482 6830470
283	4517864	333 5224442	383 5831988	433 6364879	483 6839471
284	4533183	334 5237465	384 5843312	434 6374897	484 6848454
285	4548449	335 5250448	385 5854607	435 6384893	485 6857417
286	4563660	336 5263393	386 5865873	436 6394865	486 6866363
287	4578819	337 5276299	387 5877110	437 6404814	487 6875290
288	4593925	338 5289167	388 5888317	438 6414741	488 6884198
289	4608978	339 5301997	389 5899496	439 6424645	489 6893089
290	4623980	340 5314789	390 5910646	440 6434527	490 6901961
291	4638930	341 5327544	391 5921768	441 6444386	491 6910815
292	4653829	342 5340261	392 5932861	442 6454223	492 6919651
293	4668676	343 5352941	393 5943926	443 6464037	493 6928469
294	4683473	344 5365584	394 5954962	444 6473830	494 6937269
295	4698220	345 5378191	395 5965971	445 6483600	495 6946052
296	4712917	346 5390761	396 5976952	446 6493349	496 6954817
297	4727564	347 5403295	397 5987905	447 6503075	497 6963564
298	4742163	348 5415792	398 5998831	448 6512780	498 6972293
299	4756712	349 5428254	399 6009729	449 6522463	499 6981005
300	4771213	350 5440680	400 6020600	450 6532125	500 6989700

No.	Log.	No. Log.	No. Log.	No. Log.	No. Log.
501 502 503 504 505	6998377 7007037 7015680 7024305 7032914	551 7411516 552 7419391 553 7427251 554 7435098 555 7442930	601 7788745 602 7795965 603 7803173 604 7810369 605 7817554	651 8135810 652 8142476 653 8149132 654 8155777 655 8162413	701 8457180 702 8463371 703 8469553 704 8475727 705 8481891
506 507 508 509 510	7041505 7050080 7058637 7067178 7075702	556 7450748 557 7458552 558 7466342 559 7474118 560 7481880	606 7824726 607 7831887 608 7839036 609 7846173 610 7853298	656 8169038 657 8175654 658 8182259 659 8188854 660 8195439	706 8488047 707 8494194 708 8500333 709 8506462 710 8512583
514	7084209 7092700 7101174 7109631 7118072	561 7489629 562 7497363 563 7505084 564 7512791 565 7520484	611 7860412 612 7867514 613 7874605 614 7881684 615 7888751	661 8202015 662 8208580 663 8215135 664 8221681 665 8228216	711 8518696 712 8524800 713 8530895 714 8536982 715 8543060
517	7126497 7134905 7143298 7151674 7160033	566 7528164 567 7535831 568 7543483 569 7551123 570 7558749	616 7895807 617 7902852 618 7909885 619 7916906 620 7923917	666 8234742 667 8241258 668 8247765 669 8254261 670 8260748	716 8549130 717 8555192 718 8561244 719 8567289 720 8573325
522 523 524	7168377 7176705 7185017 7193313 7201593	571 7566361 572 7573960 573 7581546 574 7589119 575 7596678	621 7930916 622 7937904 623 7944880 624 7951846 625 7958800	671 8267225 672 8273693 673 8280151 674 8286599 675 8293038	721 8579353 722 8585372 723 8591383 724 8597386 725 8603380
527 528 529	7209857 7218106 7226339 7234557 7242759	576 7604225 577 7611758 578 7619278 579 7626786 580 7634280	626 7965743 627 7972675 628 7979596 629 7986506 630 7993405	676 8299467 677 8305887 678 8312297 679 8318698 680 8325089	726 8609366 727 8615344 728 8621314 729 8627275 730 8633229
532 533 534	7250945 7259116 7267272 7275413 7283538	581 7641761 582 7649230 583 7656686 584 7664128 585 7671559	631 8000294 632 8007171 633 8014037 634 8020893 635 8027737	681 8331471 682 8337844 683 8344207 684 8350561 685 8356906	731 8639174 732 8645111 733 8651040 734 8656961 735 8662873
537 538 539	7291648 7299743 7307823 7315888 7323938	586 7678976 587 7686381 588 7693773 589 7701153 590 7708520	636 8034571 637 8041394 638 8048207 639 8055009 640 8061800	686 8363241 687 8369567 688 8375884 689 8382192 690 8388491	736 8668778 737 8674675 738 8680564 739 8686444 740 8692317
542 543 544	7331973 7339993 7347998 7355989 7363965	591 7715875 592 7723217 593 7730547 594 7737864 595 7745170	641 8068580 642 8075350 643 8082110 644 8088859 645 8095597	691 8394780 692 8401061 693 8407332 694 8413595 695 8419848	741 8698182 742 8704039 743 8709888 744 8715729 745 8721563
547 548 549	7371926 7379873 7387806 7395723 7403627	596 7752463 597 7759743 598 7767012 599 7774268 600 7781513	646 8102325 647 8109043 648 8115750 649 8122447 650 8129134	696 8426092 697 8432328 698 8438554 699 8444772 700 8450980	746 8727388 747 8733206 748 8739016 749 8744818 750 8750613

No. Log.	No. Log.	No. Log.	No. Log.	No. Log.
751 8756399	801 9036325	851 9299296	901 9547248	951 9781805
752 8762178	802 9041744	852 9304396	902 9552065	952 9786369
753 8767950	803 9047155	853 9309490	903 9556878	953 9790929
754 8773713	804 9052560	854 9314579	904 9561684	954 9795484
755 8779470	805 9057959	855 9319661	905 9566486	955 9800034
756 8785218	806 9063350	856 9324738	906 9571282	956 9804579
757 8790959	807 9068735	857 9329808	907 9576073	957 9809119
758 8796692	808 9074114	858 9334873	908 9580858	958 9813655
759 8802418	809 9079485	859 9339932	909 9585639	959 9818186
760 8808136	810 9084850	860 9344985	910 9590414	960 9822712
761 8813847	811 9090209	861 9350032	911 9595184	961 9827234
762 8819550	812 9095560	862 9355073	912 9599948	962 9831751
763 8825245	813 9100905	863 9360108	913 9604708	963 9836263
764 8830934	814 9106244	864 9365137	914 9609462	964 9840770
765 8836614	815 9111576	865 9370161	915 9614211	965 9845273
766 8842288	816 9116902	866 9375179	916 9618955	966 9849771
767 8847954	817 9122221	867 9380191	917 9623693	967 9854265
768 8853612	818 9127533	868 9385197	918 9628427	968 9858754
769 8859263	819 9132839	869 9390198	919 9633155	969 9863238
770 8864907	820 9138139	870 9395193	920 9637878	970 9867717
771 8870544	821 9143432	871 9400182	921 9642596	971 9872192
772 8876173	822 9148718	872 9405165	922 9647309	972 9876663
773 8881795	823 9153998	873 9410142	923 9652017	973 9881128
774 8887410	824 9159272	874 9415114	924 9656720	974 9885590
775 8893017	825 9164539	875 9420081	925 9661417	975 9890046
776 8898617	826 9169800	876 9425041	926 9666110	976 9894498
777 8904210	827 9175055	877 9429996	927 9670797	977 9898946
778 8909796	828 9180303	878 9434945	928 9675480	978 9903389
779 8915375	829 9185545	879 9439889	929 9680157	979 9907827
780 8920946	830 9190781	880 9444827	930 9684829	980 9912261
781 8926510	831 9196010	881 9449759	931 9689497	981 9916690
782 8932068	832 9201233	882 9454686	932 9694159	982 9921115
783 8937618	833 9206450	883 9459607	933 9698816	983 9925535
784 8943161	834 9211661	884 9464523	934 9703469	984 9929951
785 8948697	835 9216865	885 9469433	935 9708116	985 9934362
786 8954225	836 9222063	886 9474337	936 9712758	986 9938769
787 8959747	837 9227255	887 9479236	937 9717396	987 9943172
788 8965262	838 9232440	888 9484130	938 9722028	988 9947569
789 8970770	839 9237620	889 9489018	939 9726656	989 9951963
790 8976271	840 9242793	890 9493900	940 9731279	990 9956352
791 8981765	841 9247960	891 9498777	941 9735896	991 9960737
792 8987252	842 9253121	892 9503649	942 9740509	992 9965117
793 8992732	843 9258276	893 9508515	943 9745117	993 9969492
794 8998205	844 9263424	894 9513375	944 9749720	994 9973864
795 9003671	845 9268567	895 9518230	945 9754318	995 9978231
796 9009131 797 9014583 798 9020029 799 9025468 800 9030900	846 9273704 847 9278834 848 9283959 849 9289077 850 9294189	896 9523080 897 9527924 898 9532763 899 9537597 900 9542425	946 9758911 947 9763500 948 9768083 949 9772662 950 9777236	996 9982593 997 9986952 998 9991305 999 9995655

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Diff.
$\begin{array}{c} 01 \\ 02 \\ 8677 \\ 9111 \\ 9544 \\ 9977 \\ \hline 0411 \\ 0411 \\ \hline 0844 \\ \hline 1277 \\ \hline 1710 \\ \hline 2143 \\ \hline 257 \\ \hline 03 \\ 001 \\ 3009 \\ 3442 \\ 3875 \\ 4308 \\ 4741 \\ 5174 \\ 5607 \\ 6039 \\ 6047 \\ \hline 0411 \\ \hline 0844 \\ \hline 1277 \\ \hline 1710 \\ \hline 2143 \\ \hline 257 \\ \hline 203 \\ \hline 001 \\ 3009 \\ 3442 \\ 3875 \\ 4308 \\ 4741 \\ 5174 \\ 5607 \\ 6039 \\ 6047 \\ \hline 0411 \\ \hline 0844 \\ \hline 1277 \\ \hline 1710 \\ \hline 2143 \\ \hline 257 \\ \hline 203 \\ \hline 0364 \\ \hline 070 \\ 07337 \\ 7770 \\ 8202 \\ 8635 \\ 9067 \\ 9499 \\ 9932 \\ \hline 0364 \\ \hline 070 \\ 073 \\ \hline 070 \\ 073 \\ \hline 095 \\ 076 \\ \hline 015 \\ \hline 0021661 \\ 2093 \\ 2525 \\ 2957 \\ 389) \\ 3821 \\ 4253 \\ 4665 \\ 5036 \\ 5467 \\ 5898 \\ 6328 \\ 6328 \\ 6328 \\ 6328 \\ 6759 \\ 7190 \\ 7190 \\ 7620 \\ 8032 \\ 3313 \\ 3744 \\ 417 \\ \hline 088 \\ 4605 \\ 5036 \\ 5467 \\ 5898 \\ 6328 \\ 6328 \\ 6328 \\ 6333 \\ 6759 \\ 7190 \\ 7190 \\ 7620 \\ 8051 \\ 3313 \\ 3744 \\ 417 \\ \hline 088 \\ 4605 \\ 5036 \\ 5467 \\ 5898 \\ 6328 \\ 6328 \\ 6333 \\ 5763 \\ 5793 \\ 6223 \\ 6522 \\ 708 \\ \hline 100 \\ 1011 \\ 7512 \\ 7941 \\ 8371 \\ 8800 \\ 9229 \\ 9659 \\ \hline 0388 \\ \hline 6652 \\ 708 \\ \hline 005 \\ 1805 \\ 234 \\ 2354 \\ 2354 \\ 2354 \\ \hline 278 \\ \hline 100 \\ 3424 \\ 3484 \\ 4272 \\ 4696 \\ \hline 5120 \\ 5544 \\ 5967 \\ 6391 \\ \hline 6391 \\ \hline 210 \\ 6327 \\ \hline 210 \\ \hline 220 \\ 6002 \\ 6427 \\ 6853 \\ 7279 \\ 7704 \\ \hline 8130 \\ 8756 \\ 9181 \\ 9605 \\ \hline 0300 \\ 3424 \\ 3848 \\ 4272 \\ 4696 \\ \hline 5120 \\ 5544 \\ 5967 \\ 6391 \\ \hline 6391 \\ \hline 6391 \\ \hline 2378 \\ \hline 7807 \\ 7810 \\ \hline 2480 \\ \hline 100 \\ 3421 \\ \hline 2480 \\ 3400 \\ 3424 \\ 3848 \\ 4272 \\ 4696 \\ \hline 5120 \\ 5544 \\ 5967 \\ 6391 \\ \hline 6391 \\ \hline 6391 \\ \hline 2381 \\ \hline 2480 \\ \hline 100 \\ 3400 \\ \hline 3424 \\ 3848 \\ 4272 \\ \hline 4696 \\ \hline 5120 \\ \hline 5544 \\ \hline 5967 \\ \hline 6391 \\ \hline 6391 \\ \hline 6391 \\ \hline 6312 \\ \hline 6378 \\ \hline 6391 \\ \hline 6378 \\ \hline 6330 \\ \hline 6378 \\ \hline 6378 \\ \hline 6330 \\ \hline 6379 \\ \hline 7848 \\ \hline 7907 \\ \hline 7907 \\ \hline 838 \\ \hline 7907 \\ \hline 839 \\ \hline 8491 \\ \hline 100 \\ \hline 1$	
$ \begin{array}{c} 03 \\ 04 \\ 04 \\ 05 \\ 0021661 \ 2093 \ 2525 \ 2957 \ 3889 \ 3821 \ 4253 \ 4685 \ 5116 \ 554 \\ 06 \\ 07 \\ 003 \ 0295 \ 0726 \ 1157 \ 1588 \ 2019 \ 2451 \ 2882 \ 3313 \ 3744 \ 417 \\ 08 \\ 4605 \ 5036 \ 5467 \ 5898 \ 6328 \\ 09 \\ 8912 \ 9342 \ 9772 \ \overline{0203} \ \overline{0633} \ \overline{1063} \ \overline{1493} \ \overline{1924} \ \overline{2354} \ 278 \\ 10 \\ 004 \ 3214 \ 3644 \ 4074 \ 4504 \ 4933 \ 5363 \ 5793 \ 6223 \ 6652 \ 708 \\ 1011 \\ 7512 \ 7941 \ 8371 \ 8800 \ 9229 \ 9659 \ \overline{0088} \ \overline{0517} \ \overline{0947} \ \overline{137} \\ 12 \\ 005 \ 1805 \ 2234 \ 2663 \ 3092 \ 3521 \ 3950 \ 4379 \ 4808 \ 5237 \ 566 \\ 13 \\ 6094 \ 6523 \ 6952 \ 7380 \ 7809 \ 8238 \ 8666 \ 9094 \ 9523 \ 955 \\ 14 \\ 006 \ 0380 \ 0808 \ 1236 \ 1664 \ 2092 \ 2521 \ 2949 \ 3377 \ 3805 \ 423 \\ 15 \\ 4660 \ 5088 \ 5516 \ 5944 \ 6372 \ 6799 \ 7227 \ 7655 \ 8082 \ 851 \\ 16 \\ 8937 \ 9365 \ 9792 \ \overline{0219} \ \overline{0647} \ \overline{1074} \ \overline{1501} \ \overline{1928} \ \overline{2355} \ \overline{278} \\ 17 \\ 007 \ 3210 \ 3637 \ 4064 \ 4490 \ 4917 \ 5344 \ 5771 \ 6198 \ 6624 \ 705 \\ 18 \\ 7478 \ 7904 \ 8331 \ 8757 \ 9184 \ 9610 \ \overline{0037} \ \overline{0463} \ \overline{0889} \ \overline{131} \\ 19 \\ 008 \ 1742 \ 2168 \ 2594 \ 3020 \ 3446 \ 3872 \ 4298 \ 4724 \ 5150 \ 557 \\ 20 \\ 6002 \ 6427 \ 6853 \ 7279 \ 7704 \ 8130 \ 8556 \ 8981 \ 9407 \ 983 \\ 1021 \\ 009 \ 0257 \ 0683 \ 1108 \ 1533 \ 1959 \ 2384 \ 2809 \ 3234 \ 3659 \ 408 \\ 22 \\ 4509 \ 4934 \ 5359 \ 5784 \ 6208 \\ 8756 \ 9181 \ 9605 \ \overline{0030} \ \overline{0454} \ \overline{0878} \ \overline{1303} \ \overline{1772} \ 2151 \ \overline{257} \\ 24 \\ 010 \ 3000 \ 3424 \ 3848 \ 4272 \ 4696 \ 5120 \ 5544 \ 5967 \ 6391 \ 6391 \ 6391 \ 6391 \ 647 \\ 344 \ 010 \ 3000 \ 3424 \ 3848 \ 4272 \ 4696 \ 5120 \ 5544 \ 5967 \ 6391 $	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{c} 06 \\ 07 \\ 07 \\ 08 \\ 09 \\ 8912 \ 9342 \ 9772 \ 0203 \ 0633 \\ 100 \\ 100 \\ 101 \\ 101 \\ 102 \\ 103 \\ 103 \\ 104 \\ 102 \\ 103 \\ 104 \\ 103 \\ 105 $	2 87
$ \begin{array}{c} 07 \\ 08 \\ 09 \\ 09 \\ 004 3214 \\ 3644 \\ 4074 \\ 4504 \\ 4505 \\ 4506 \\ 2010 \\ 3010 $	1 1 1 1 1 1 1
$\begin{array}{c} 08\\ 09\\ 8912\\ 9342\\ 9772\\ \hline \end{array} \begin{array}{c} 3023\\ 003\\ \hline \end{array} \begin{array}{c} 6328\\ 0633\\ \hline \end{array} \begin{array}{c} 6759\\ 100\\ \hline \end{array} \begin{array}{c} 7190\\ 7620\\ \hline \end{array} \begin{array}{c} 8051\\ 848\\ \hline \end{array} \begin{array}{c} 84605\\ 8912\\ 9342\\ 9772\\ \hline \end{array} \begin{array}{c} 2023\\ \hline \end{array} \begin{array}{c} 3023\\ \hline \end{array} \begin{array}{c} 633\\ \hline \end{array} \begin{array}{c} 1003\\ \hline \end{array} \begin{array}{c} 1493\\ \hline \end{array} \begin{array}{c} 1924\\ \hline \end{array} \begin{array}{c} 2354\\ \hline \end{array} \begin{array}{c} 2784\\ \hline \end{array}$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	8 346
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 1 43 2 86
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3 129
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5 215
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7 301
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	A.001
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 85
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 140
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	5 214 6 256
23 8756 9181 9605 0030 0454 0878 1303 1727 2151 257 24 010 3000 3424 3848 4272 4696 5120 5544 5967 6391 681	8 342
24 010 3000 3424 3848 4272 4696 5120 5544 5967 6391 681	
	1 474
25 7239 7662 8086 8510 8933 9357 9780 0204 0627 105	
26 011 1474 1897 2320 2743 3166 3590 4013 4436 4859 528	4 170
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	6 254
29 0124154 4576 4998 5420 5842 6264 6685 7107 7529 795.	8 339
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	9 382
1031 013 2587 3008 3429 3850 4271 4692 5113 5534 5955 637	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 84
34 5205 5625 6045 6465 6885 7305 7725 8144 8564 898	4 168
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 200
36 015 3598 4017 4436 4855 5274 5693 6112 6531 6950 7361	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	
39 6155 6573 6991 7409 7827 8245 8663 9080 9498 9910	1 42
40 017 0333 0751 1168 1586 2003 2421 2838 3256 3673 4090	3 125
1041 4507 4924 5342 5759 6176 6593 7010 7427 7844 8260	5 209
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7 293
44 7005 7421 7837 8253 8669 9084 9500 9916 0332 074	
45 019 1163 1578 1994 2410 2825 3240 3656 4071 4486 4909	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3 125
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	4 166 5 248
49 7755 8169 8583 8997 9411 9824 0238 0652 1066 1479	7 291 8 332
1050 0211893 2307 2720 3134 3547 3961 4374 4787 5201 561	8 332 9 374

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1050 51 52 53 54 55	021 1893 6027 022 0157 4284 8406 023 2525	2307 6440 0570 4696 8818 2936	2720 6854 0983 5109 9230 3348	3134 7267 1396 5521 9642 3759	$   \begin{array}{r}     3547 \\     7680 \\     1808 \\     \underline{5933} \\     0054 \\     4171   \end{array} $	3961 $8093$ $2221$ $6345$ $0466$ $4582$	$\begin{array}{c} 4374 \\ 8506 \\ 2634 \\ \underline{6758} \\ 0878 \\ 4994 \end{array}$	$4787 \\ 8919 \\ 3046 \\ 7170 \\ 1289 \\ 5405$	5201 9332 3459 7582 1701 5817	$5614 \\ 9745 \\ 3871 \\ 7994 \\ \hline 2113 \\ 6228$	412 1 41 2 82 3 124 4 165
56 57 58 59 60 1061 62	6639 024 0750 4857 8960 025 3059 7154 026 1245	7050 1161 5267 9370 3468 7563 1654	7462 1572 5678 9780 3878 7972 2063	7873 1982 6088 0190 4288 8382 2472	8284 2393 6498 0600 4697 8791 2881	8695 2804 6909 1010 5107 9200 3289	9106 3214 7319 1419 5516 9609 3698	$\begin{array}{c} 9517 \\ 3625 \\ 7729 \\ \hline 1829 \\ 5926 \\ \hline 0018 \\ 4107 \\ \end{array}$	$\begin{array}{c} 9928 \\ 4036 \\ \underline{8139} \\ \underline{2239} \\ 6335 \\ \hline 0427 \\ 4515 \\ \end{array}$	$\begin{array}{c} \overline{0339} \\ 4446 \\ \underline{8549} \\ \overline{2649} \\ 6744 \\ \hline 0836 \\ 4924 \\ \end{array}$	5 206 6 247 7 288 8 330 9 371 409 1 41 2 82 3 123 4 164 5 205
63 64 65 66 67 68 69 70	5333 9416 027 3496 7572 028 1644 5713 9777 029 3838	5741 9824 3904 7979 2051 6119 0183 4244	$\begin{array}{c} 6150 \\ \hline 0233 \\ 4312 \\ 8387 \\ 2458 \\ \underline{6526} \\ 0590 \\ 4649 \\ \end{array}$	$\begin{array}{c} 6558 \\ \hline 0641 \\ 4719 \\ 8794 \\ 2865 \\ 6932 \\ \hline 0996 \\ 5055 \\ \end{array}$	6967 1049 5127 9201 3272 7339 1402 5461	7375 1457 5535 9609 3679 7745 1808 5867	$   \begin{array}{r}     7783 \\     \hline     1865 \\     5942 \\     \hline     0016 \\     4086 \\     8152 \\     \hline     2214 \\     6272 \\   \end{array} $	$\begin{array}{r} 8192 \\ \hline 2273 \\ 6350 \\ \hline 0423 \\ 4492 \\ 8558 \\ \hline 2620 \\ 6678 \\ \end{array}$	$\begin{array}{r} 8600 \\ \hline 2680 \\ 6757 \\ \hline 0830 \\ 4899 \\ \underline{8964} \\ 3026 \\ 7084 \\ \end{array}$	$     \begin{array}{r}       9008 \\       \hline       3088 \\       \hline       7165 \\       \hline       1237 \\       5306 \\       9371 \\       \hline       3432 \\       \hline       7489 \\     \end{array} $	6 215 7 286 8 327 9 368 406 1 41 2 81
1071 72 73 74 75 76	7895 0301948 5997 0310043	8300 2353 6402 0447 4489 8526	8706 2758 6807 0851 4893 8930	9111 3163 7211 1256 5296 9333	9516 3568 7616 1660 5700 9737	9922 3973 8020 2064 6104 0140	0272 $0327$ $4378$ $8425$ $2468$ $6508$ $0544$	$     \begin{array}{r}       0732 \\       4783 \\       8830 \\       2872 \\       6912 \\       \hline       0947 \\     \end{array} $	$\overline{1138}$ $5188$ $9234$ $3277$ $7315$ $\overline{1350}$	1543 5592 9638 3681 7719 1754	3 122 4 162 5 203 6 244 7 284 8 325 9 365
77 78 79 80 1081	032 2157	$\begin{array}{c} 2560 \\ 6590 \end{array}$	2963 6993 1019 5042 9060	3367 7396 1422 5444 9462	3770 7799 1824 5846 9864	$ \begin{array}{r} 4173 \\ 8201 \\ 2226 \\ 6248 \\ \hline 0265 \end{array} $	4576 8604 2629 6650 0667	4979	$5382$ $9409$ $3433$ $7453$ $\overline{1470}$	5785 9812 3835 7855 1871	1 40 2 81 3 121 4 161 5 202 6 242 7 282
82 83 84 85 86	034 2273 6285 035 0293 4297 8298	2674 6686 0693 4698 8698	3075 7087 1094 5098 9098	3477 7487 1495 5498 9498	3878 7888 1895 5898 9898	4279 $8289$ $2296$ $6298$ $0297$	4680 8690 2696 6698	5081 9091 3096 7098	5482 9491 3497 7498	5884 9892 3897 7898	8 322 9 363 400 1 40 2 80 3 120
87 88 89 90 1091	$0362295\\6289\\0370279$	2695 6688 0678 4663 8646	3094 7087 1076	3494 7486 1475 5460 9442	3893 7885 1874 5858 9839	4293 $8284$ $2272$ $6257$ $0237$	$ 4692 $ $ 8683 $ $ 2671 $ $ 6655 $ $ \overline{0635} $	5091 9082 3070 7053 1033	5491 9481 3468 7451 1431	5890 9880 3867 7849	4 160 5 200 6 240 7 280 8 320 9 360
92 93 94 95 96	038 2226 6202 039 0173 4141 8106	2624 6599 0570 4538 8502	3022 6996 0967 4934 8898	3419 7393 1364 5331 9294	3817 7791 1761 5727 9690	$4214$ $8188$ $2158$ $6124$ $\overline{0086}$	4612 $8585$ $2554$ $6520$ $0482$	5009 8982 2951 6917 0878	5407 $9379$ $3348$ $7313$ $1274$	5804 9776 3745 7709	397 1 40 2 79 3 119 4 159 5 199 6 238
97 98 99 1100	040 2066 6023 9977	$\begin{array}{c} 2462 \\ 6419 \\ \hline 0372 \end{array}$	2858 $6814$ $0767$ $4716$	3254 $7210$ $1162$	$\frac{3650}{7605}$ $\frac{1557}{1}$	$\frac{4045}{8001} \\ \hline 1952$	$   \begin{array}{r}     4441 \\     8396 \\     \hline     2347 \\     6295   \end{array} $	$\frac{4837}{8791} \\ \hline 2742$	$\frac{5232}{9187} \\ \frac{3137}{3137}$	$\frac{5628}{9582} \\ \hline 3532$	7 278 8 318 9 357

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
1100		4322 8268		5111 9056	9451	5900 9845		$\overline{0633}$	$\frac{7084}{1028}$	$\frac{7479}{1422}$	394
02 03 04	042 1816 5755 9691	6149	$\frac{2604}{6543} \\ \hline 0477$	$\frac{2998}{6936}$ $\frac{6936}{0871}$	$\frac{3392}{7330}$ $\frac{1264}{1264}$	$\frac{3786}{7723}$ $\frac{7723}{1657}$	$\frac{4180}{8117} \\ \frac{8117}{2050}$	$\frac{4574}{8510} \\ \hline 2444$	$\frac{4968}{8904}$ $\frac{2837}{2}$	$\frac{5361}{9297}$ $\frac{3230}{3230}$	2 79 3 118 4 158 5 197
05 06	043 3623 7551	4016 7944	4409 8337	4802 8729	5195 9122	5587 9514	5980 9907	$\frac{6373}{0299}$	$\frac{6766}{0692}$	$\frac{7159}{1084}$	6 236 7 276 8 315 9 355
07 08 09	044 1476 5398 9315	1869 5790 9707	$\begin{array}{c} 2261 \\ \underline{6181} \\ \overline{0099} \end{array}$	$2653 \\ 6573 \\ \hline 0490$	$\frac{3045}{6965}$ $\frac{6965}{0882}$	$   \begin{array}{r}     3437 \\     7357 \\     \hline     1273   \end{array} $	$\frac{3829}{7749}$ $\frac{1664}{1}$	$\frac{4222}{8140} \\ \frac{8140}{2056}$	$\frac{4614}{8532}$ $\frac{2447}{2447}$	$\frac{5006}{8924}$ $\frac{2839}{2}$	391
10 1111	045 3230 7141	3621 7531	4012 7922	4403 8313	4795 8704	5186 9095	5577 9485	5968 9876	$\frac{6359}{0267}$	$\frac{6750}{0657}$	1 39 2 78 3 117
12 13 14	$0461048\\4952\\8852$	1438 $5342$ $9242$	1829 5732 9632	$\frac{2219}{6122}$ $\frac{6122}{0021}$	$ \begin{array}{r} 2610 \\ 6512 \\ \hline 0411 \end{array} $	$\frac{3000}{6902}$ $\frac{6902}{0801}$	$\frac{3391}{7292}$ $\frac{1190}{1190}$	$\frac{3781}{7682}$ $\frac{7682}{1580}$	$\frac{4171}{8072} \\ \frac{8072}{1970}$	$\frac{4561}{8462} \\ \frac{8462}{2359}$	4 156 5 196 6 235 7 274
15 16	047 2749 6642	3138 7031	3528 7420	3917 7809	4306 8198	4696 8587	5085 8976	5474 9365	5864 9754	$\frac{6253}{0143}$	8 313 9 352
17 18 19	$\begin{array}{r} 0480532 \\ 4418 \\ 8301 \end{array}$	0921 4806 8689	1309 5195 9077	1698 5583 9465	2087 5972 9853	$   \begin{array}{r}     2475 \\     \hline     6360 \\     \hline     0241   \end{array} $	$\frac{2864}{6748}$ $\frac{6748}{0629}$	$\frac{3253}{7136}$ $\frac{7136}{1017}$	$\frac{3641}{7525}$ $\frac{7525}{1405}$	$\frac{4030}{7913}$ $\frac{7913}{1792}$	388 1 39 2 78
20 1121	049 2180 6056	6444	$\frac{2956}{6831}$	$\frac{3343}{7218}$	3731 7606	4119 7993	4506 8380	4894 8767	9154	5669 9541	3 116 4 155 5 194 6 233
22 23 24	$\begin{array}{r} 9929 \\ 0503798 \\ 7663 \end{array}$	0316 4184 8049	0703 $4571$ $8436$	1090 4958 8822	1477 5344 9208	1863 5731 9595	2250 6117 9981	$\frac{2637}{6504} \\ \frac{6504}{0367}$	$\frac{3024}{6890}$ $\frac{6890}{0753}$	$\frac{3411}{7277}$ $\frac{7277}{1139}$	7 272 8 310 9 349
25 26	051 1525 5384	1911 5770	6155	$2683$ $\underline{6541}$	3069 6926	3455 7312	3841 7697	4227 8083	4612 8468	4998 8854	385
27 28 29	$\begin{array}{c} 9239 \\ 0523091 \\ 6939 \end{array}$	3476	0010 $3861$ $7709$	0395 $4246$ $8093$	0780 4631 8478	1166 5016 8862	1551 5400 9247	1936 5785 9631	$\frac{2321}{6170}\\ \frac{6170}{0016}$	$\frac{2706}{6555} \\ \hline 0400$	1 39 2 77 3 116 4 154
30 1131	053 0784 4626 8464	5010	1553 5394	1937 5778	2321 6162	2706 6546		3474 7313	3858 7697	4242 8081	5 193 6 231 7 270 8 308
32 33 34	054 2299 6131		9232 $3066$ $6896$	9615 3449 7279	9999 3832 7662	0382 4215 8045	0766 $4598$ $8428$	1149 4981 8811	1532 5365 9193	1916 5748 9576	9 347
35 36 37	9959 055 3783	0341 4166		1106 4930	1489 5312	1871 5694		2636 6459	3019 6841	$\frac{3401}{7223}$	382 1 38 2 76
38 39	7605 0561423 5237	7987 1804 5619	6000	8750 2567 6381	9132 2949 6762	9514 3330 7143	9896 $3712$ $7524$	0278 $4093$ $7905$	0659 4475 8287	1041 4856 8668	3 115 4 153 5 191 6 209
40 1141 42	9049 057 2856	9429 3237	9810 3618	0191 3998 7800	0572 4379	0953 4759		5520 0200	2095 5900	$\frac{2476}{6281}$	7 267 8 306 9 344
43	$\begin{array}{r} 6661 \\ 0580462 \\ 4260 \end{array}$	$\begin{array}{c} 0842 \\ 4640 \end{array}$		7802 1602 5399	8182 1982 5778	8562 2362 6158	8942 2741 6537	9322 $3121$ $6917$	9702 3501 7296	0082 3881 7676	379
45 46	0591846	8434 2225	2604	9193 2983	9572 3362	9951 3741 7597	0330 4119 7005	0709 4498	1088 4877	1467 5256	1 38 2 76 3 114 4 452
47 48 49	9419 060 3200	6013 9797 3578	$\frac{6391}{0175}$ $3956$	$\frac{6770}{0554}$ $4334$	$\frac{7148}{0932}$ $4712$		$\frac{7905}{1688}$ $5468$		$\frac{8662}{2444}$ $6223$	$\frac{9041}{2822}$ $6601$	5 '90 6 227 7 265 8 303
1150	061 6978	7356	7734	8111	8489	8866	9244	9621	9999	0376	9 341

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1150 51 52 53 54		1131 4902 8670	$\begin{array}{c} 1508 \\ 5279 \end{array}$	1885 5656	8489 2262 6032 9799 3563	2639 6409	$\begin{array}{c} 9244 \\ 3017 \\ 6786 \\ \hline 0552 \\ 4316 \end{array}$	$9621 \\ 3394 \\ 7163 \\ \hline 0929 \\ 4692$	$0999 \\ 3771 \\ 7540 \\ \hline 1305 \\ 5068$	$     \begin{array}{r}       0376 \\       4148 \\       7916 \\       \hline       1682 \\       5444     \end{array} $	376 1 38 2 75
55 56 57 58 59	5820 9578 063 3334	6196 9954 3709 7461	$6572 \\ \hline 0330 \\ 4084$	$6948 \\ \hline 0705 \\ 4460$	$7324 \\ \hline 1081 \\ 4835$		8075 1832 5585 9335 3082			$\begin{array}{c} 9203 \\ \hline 2958 \\ 6711 \\ \hline 0460 \\ 4205 \\ \end{array}$	3 113 4 150 5 188 6 226 7 263 8 301
60 1161 62 63 64	8322 065 2061 5797 9530	2435 6171 9903	$9070 \\ 2809 \\ \underline{6544} \\ 0276$	$\frac{3182}{6917}$ $\frac{6917}{0649}$	$6077 \\ 9818 \\ 3556 \\ 7291 \\ 1022$	$   \begin{array}{r}     \hline     0192 \\     3930 \\     \hline     7664 \\     \hline     1395   \end{array} $	$6826 \\ \hline 0566 \\ 4303 \\ 8037 \\ \hline 1768$	$\frac{4677}{8410} \\ \hline 2141$	$7574$ $\overline{1314}$ $5050$ $8784$ $\overline{2514}$	$7948 \\ \hline 1688 \\ 5424 \\ 9157 \\ \hline 2886$	9 358 373 1 37
65 66 67 68 69 70	067 0709 4428	1081 4800 8517	5172	1825 5544 9259		5123 8847 2569 6287 0002 3714	5495 $9220$ $2941$ $6659$ $0374$ $4085$	5868 $9592$ $3313$ $7030$ $0745$ $4456$	6241 9964 3685 7402 1116 4827	$   \begin{array}{r}     6613 \\     \hline     0336 \\     4057 \\     \hline     7774 \\     \hline     1487 \\     5198   \end{array} $	2 75 3 112 4 149 5 187 6 224 7 261 8 298
1171 72 73 74 75	5569 9276 0692980	5940 9647 3350 7051	$\tfrac{6311}{0017}$		7052	$\frac{7423}{1129}$ $4831$	$\frac{7794}{1499}$	$\frac{8164}{1869}$ 5571	$\frac{8535}{2240}$	$\frac{8906}{2610}$	9 336 370 1 37 2 74 3 111
76 77 78 79 80	4073 7765 071 1453 5138	4442 8134	4812 8503 2190 5875	5181 8871 2559 6243 9924	$5550 \\ 9240 \\ 2927 \\ \underline{6611} \\ 0\overline{292}$	$5919 \\ 9609 \\ 3296 \\ 6979 \\ \hline 0660$	$6288 \\ 9978 \\ 3664 \\ 7348 \\ \hline 1028$	$\begin{array}{r} 6658 \\ \hline 0347 \\ 4033 \\ \hline 7716 \\ \hline 1396 \end{array}$	$\begin{array}{r} 7027 \\ \hline 0715 \\ 4401 \\ \underline{8084} \\ \overline{1763} \end{array}$	$\begin{array}{c} 7396 \\ \hline 1084 \\ 4770 \\ \underline{8452} \\ \overline{2131} \end{array}$	4 148 5 185 6 222 7 259 8 296 9 333
1181 82 83 84 85	072 2499 6175 9847 073 3517 7184	$\begin{array}{c} 2867 \\ \underline{6542} \\ 0215 \\ 3884 \\ 7550 \end{array}$		$\begin{array}{c} 3602 \\ \underline{7277} \\ 0949 \\ 4617 \\ 8283 \end{array}$	3970 $7644$ $1316$ $4984$ $8649$	$\begin{array}{r} 4337 \\ 8011 \\ \hline 1683 \\ 5351 \\ 9016 \end{array}$	$4705 \\ 8379 \\ \hline 2050 \\ 5717 \\ 9382$	$5072 \\ 8746 \\ \hline 2416 \\ 6084 \\ 9748$	$\begin{array}{c} 5440 \\ \underline{9113} \\ \overline{2783} \\ \underline{6450} \\ \overline{0114} \end{array}$	$\begin{array}{c} 5807 \\ \underline{9480} \\ \overline{3150} \\ \underline{6817} \\ \overline{0481} \end{array}$	367 1 37 2 73 3 110 4 147 5 184
86 87 88 89 90	8164 075 1819	1213 4873 8530 2184 5835	5239 8895 2549	1945 5605 9261 2914 6564		3644	$\begin{array}{c} 3043 \\ \underline{6702} \\ 0357 \\ 4010 \\ 7659 \end{array}$	4375	3775 $7433$ $1088$ $4740$ $8388$	$4141 \\ 7799 \\ \hline 1453 \\ 5105 \\ 8753$	6 220 7 257 8 294 9 330
1191 92 93 94 95	076 2763	6768	9847 3491 7132 0771 4406	0211 3855 7496 1134 4769	0576 4220 7860 1498 5133	4584 8224 1862	1305 4948 8588 2225 5859	1669 5312 8952 2589 6222	2034 5676 9316 2952 6585		364 1 36 2 73 3 109 4 146 5 182
96 97 98 99 1200	7312 078 0942 4568 8192 079 1812	1304 4931 8554	8916	8401 2030 5656 9278 2898	6018 9640	$\begin{array}{c} 9127 \\ 2755 \\ \underline{6380} \\ 0003 \\ 3622 \end{array}$	$\frac{6743}{0365}$	$\begin{array}{c} 9853 \\ 3480 \\ 7105 \\ \hline 0727 \\ 4345 \end{array}$	0216 $3843$ $7467$ $1089$ $4707$	0579 4206 7830 1451 5068	6 218 7 255 8 291 9 328

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1200 01 02 03 04 05	9045 080 2656 6265	5792 9406 3017 6626		$\begin{array}{c} 6515 \\ \hline 0128 \\ 3739 \\ 7347 \end{array}$	$\begin{array}{c} 3260 \\ \underline{6876} \\ \overline{0490} \\ 4100 \\ \underline{7707} \\ \overline{1312} \end{array}$	$\begin{array}{r} 3622 \\ 7238 \\ \hline 0851 \\ 4461 \\ \underline{8068} \\ \overline{1672} \end{array}$	$\overline{1212}$	$\begin{array}{c} 4345 \\ \underline{7961} \\ 1573 \\ 5183 \\ \underline{8789} \\ \underline{2393} \end{array}$	$\begin{array}{r} 4707 \\ \underline{8322} \\ 1934 \\ 5543 \\ \underline{9150} \\ 2753 \end{array}$	5904	361 1 36 2 72 3 108 4 144 5 181
06 07 08 09 10 1211	082 0669 4263	7432 1029 4622 8213		$8152 \\ 1748 \\ 5341$	5700 9289			$\begin{array}{c} 9591 \\ 3185 \end{array}$	$6353 \\ 9950 \\ 3545 \\ 7136 \\ \hline 0724 \\ 4309$	$\overline{0310}$	5 181 6 217 7 253 8 289 9 325 358 1 36
12 13 14 15 16 17	5026 8608 084 2187 5763	5385 8966 2545 6120 9693	5743 9324 2902	6101 9682 3260 6835	6459	$   \begin{array}{r}     6817 \\     \hline     0398 \\     3975 \\     7550 \\     \hline     112\overline{1}   \end{array} $	$7176 \over 0756 \\ 4333 \\ 7907 \\ \hline 1478$	$\frac{7534}{1114}$ $4690$	$\begin{array}{c} 7892 \\ \hline 1471 \\ 5048 \\ 8621 \\ \hline 2\overline{192} \end{array}$	$\begin{array}{c} 8250 \\ \hline 1829 \\ 5405 \\ 8979 \\ \hline 2549 \end{array}$	2 72 3 107 4 143 5 179 6 215 7 251 8 286
18 19 20 1221 22	$6473 \\ 086\ 0037 \\ 3598 \\ 7157 \\ 087\ 0712$	6829 0393 3954 7512 1067	7186 0750 4310 7868 1423	7542 1106 4666 8224 1778	7899 1462 5022 8579 2133	8255 1818 5378 8935 2489	8612 2174 5734 9290 2844	8968 2530 6089 9646 3199	$\begin{array}{c} 9324 \\ 2886 \\ 6445 \\ \hline 0001 \\ 3554 \end{array}$	$9681 \\ 3242 \\ 6801 \\ \hline 0357 \\ 3909$	9 322 355 1 36
23 24 25 26 27 28	7814 088 1361 4905	8169 1715 5259 8800	2070 5613 9153	8878 2424 5967 9507	5685 9233 2779 6321 9861 3398	$\begin{array}{c} 3133 \\ \underline{6676} \\ 0215 \end{array}$	6395 $9943$ $3488$ $7030$ $0569$ $4105$	$\frac{3842}{7384}$ $\frac{7384}{0923}$		$   \begin{array}{r}     7459 \\     \hline     1006 \\     4550 \\     \hline     8092 \\     \hline     1630 \\     5165   \end{array} $	2 71 3 107 4 142 5 178 6 213 7 249 8 284
29 30 1231 32 33 34	$0902581\\6107\\9631\\0913152$	9404 2933 6460 9983 3504	$\begin{array}{c} 9757 \\ 3286 \\ \underline{6812} \\ 0335 \\ 3855 \end{array}$	$\begin{array}{c} 6579 \\ \hline 0110 \\ 3639 \\ \hline 7164 \\ \hline 0687 \\ 4207 \\ \end{array}$	$   \begin{array}{r}     6932 \\     \hline     0463 \\     3991 \\     \hline     7517 \\     \hline     1039 \\     4559 \\   \end{array} $	$\frac{7869}{1392}$ $4911$		$\begin{array}{r} 7992 \\ \hline 1522 \\ \hline 5049 \\ 8574 \\ \hline 2096 \\ 5614 \\ \end{array}$	5966		352 1 35 2 70 3 106
35 36 37 38 39 40	092 0185 3697 7206 093 0713	4048 7557	0887 4399 7908	4750 8259	8076 1590 5101 8609 2115 5618	1941	2292 5803 9311 2816	9130 2644 6154 9661 3166 6668	2995 6505	9833 $3346$ $6856$ $0363$ $3867$ $7368$	4 141 5 176 6 211 7 246 8 282 9 317
1241 42 43 44 45	8204 095 1694	1566 5061 8553 2042	1915 5410 8902 2391	2265 5759 9251 2740	6109 9600 3089	9467 2964 6458 9949 3437	$     \begin{array}{r}       3313 \\       6807 \\       \hline       0298 \\       3786     \end{array} $	0167 3663 7156 0647 4135	$4012 \\ 7506 \\ \hline 0996 \\ 4483$	$\begin{array}{c} 4362 \\ 7855 \\ \hline 1345 \\ 4832 \end{array}$	349 1 35 2 70 3 105 4 140
46 47 48 49 1250	8665 096 2146 5624	5972	2842	$\begin{array}{c} 6226 \\ 9709 \\ 3190 \\ \underline{6667} \\ 0142 \\ \end{array}$	$\begin{array}{r} 6574 \\ \hline 0057 \\ 3538 \\ \hline 7015 \\ \hline 0490 \\ \end{array}$	$\begin{array}{r} 6923 \\ \hline 0406 \\ 3885 \\ \hline 7363 \\ \hline 0837 \\ \hline \end{array}$	4233 7710	$\begin{array}{r} 7620 \\ \hline 1102 \\ 4581 \\ 8058 \\ \hline 1531 \\ \end{array}$	$\overline{1450}$ $4929$ $8405$	$\begin{array}{r} 8316 \\ \hline 1798 \\ 5277 \\ 8753 \\ \hline 2226 \\ \end{array}$	5 175 6 209 7 244 8 279 9 314

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1250	096 9100			0142	0490	0837	1184		1879	2226	
51 52	097 2573 6043	6390	6737	3614 7084	3962 7431	4309 7777	$4656 \\ 8124$	5003 8471	5349 8817	5696 9164	346
53	9511	9857	$\overline{0204}$	$\overline{0550}$	0897	1243	$\overline{1590}$	$\overline{1936}$	$\overline{2283}$	2629	1 35
54 55	098 2975 6437	3322 6783	3668 7129	4014 7475	$\frac{4360}{7821}$	4707 8167	5053 8513	5399 8859	5745 9205	9551	2 69 3 104
56	9896			$\overline{0934}$	$\overline{1279}$	$\frac{1625}{1}$	$\frac{1971}{1971}$	$\frac{\overline{2316}}{2}$		3007	4 138 5 173
57	099 3353	3698	4044	4389	4735	5080	5425	5771	6116	6461	6 208
58	6806 100 0257	7152		7842 $1292$	8187 1637	$8532 \\ 1982$	$8877 \\ 2327$	$9222 \\ 2671$	9567 3016		7 242 8 277
60		4050	4395	4739	5084	5429	5773			6806	9 311
1261	7151	7495	7840	8184	8528	8873	9217	9561	9905	$\overline{0249}$	
62	101 0594	$0938 \\ 4377$		1626	1970 5409	$2314 \\ 5752$	2658 6096	3002 6440	3346 6784	$\frac{3690}{7127}$	
64		7814			8845		9532		$\frac{0784}{0219}$		343
65	102 0905	1249	1592	1935	2278	2621		3308	3651	3994	1 34
66	4337		5023		5709		6395	6738	7081	7423	2 69 3 103
67	103 1193	8109 1535	8452 1877	$8794 \\ 2220$	9137 2562		$9822 \\ 3247$	$\frac{0165}{3589}$	$\frac{0507}{3932}$	$\begin{array}{c} 0850 \\ 4274 \end{array}$	4 137 5 172
69	4616	4958	5301	5643	5985	6327	6669	7011	7353	7695	6 206
70	8037		8721			9747			$\overline{0772}$	1114	7 240 8 274
$\begin{array}{ c c c }\hline 1271\\ 72\\ \end{array}$	104 1456 4871	1797 5213	2139 5554		2822 6237	3164 6578	3505 6919	$\frac{3847}{7260}$	4188 7602	4530 7943	9 309
73	8284	8625	8966	9307				$\frac{1200}{0671}$		$\frac{1343}{1353}$	
74 75	105 1694	$2035 \\ 5442$	2376 5783	2717 6124	3058 6464	3398 6805	3739 7145	4080	4421		
76		8847	9187		9868			$\frac{7486}{0889}$	$\frac{7826}{1229}$	$\frac{8166}{1569}$	340
77	106 1909				3269	3609	3949	4289	4629	4969	1 34 2 68
78 79		5648		6328	6668	7007	7347	7687	8026	8366	3 102
80	107 2100	$9045 \\ 2439$		9724 3117	0063 3457	$0403 \\ 3796$	$0742 \\ 4135$	1082 4474	1421 4813	$1760 \\ 5152$	4 136 5 170
1281	5491	5830	6169	6508	6847	7186	7525	7864	8203	8541	6 204
82		9219			0235		$\overline{0912}$		1590		7 238 8 272
83 84	1082267 $5650$	$\frac{2605}{5988}$	2944 6327	$\frac{3282}{6665}$	3620 7003	3959 7341	$\frac{4297}{7679}$	4635 8017	4974 8355	5312 8693	9 306
85		9369		$\overline{0045}$	$\overline{0383}$	$\overline{0721}$	$\frac{1059}{1059}$		$\frac{3333}{1734}$	$\frac{3073}{2072}$	
86	109 2410		3085		3760				5111		337
87		6123 $9496$		$\frac{6798}{0170}$	$\frac{7135}{0507}$	$\frac{7472}{0844}$	$\frac{7810}{1181}$	$\frac{8147}{1518}$	$\frac{8484}{1855}$	$\frac{8821}{2192}$	1 84 2 67
89	110 2529	2866	3203	3540	3877	4213	4550	4887	5224		8 101 4 135
90		6234		6907	7244		7917		8590	8926	5 169 6 202 7 236
1291	9262 $1112625$		9935 3297	$\frac{\overline{0272}}{3633}$	$\frac{\overline{0608}}{3969}$			1617 4977	1953 5313	$\overline{2289} \\ 5649$	8 270 9 303
93	5985	6321	6657	6993	7329	7664	8000	8336	8671	9007	335
94	9343 112 2698	9678 3033	$\frac{0014}{3368}$	$0350 \\ 3704$	$\frac{\overline{0685}}{4039}$	$\frac{\overline{1021}}{4374}$	$\frac{\overline{1356}}{4709}$	$\frac{1691}{5045}$	$\frac{\overline{2027}}{5380}$	2362	1 34 2 67
96	6050		6720		7390	7725		8395	8730	5715 9065	3 101 4 134
97	9400	9735			$\frac{7390}{0739}$	$\frac{7725}{1074}$		$\frac{8395}{1743}$	$\frac{8730}{2078}$	$\frac{9065}{2412}$	5 168
98	113 2747	3081	3416	3751	4085	4420		5088	5423	5757	7 235 8 268
1300	6092 9434	$6426 \\ 9768$	$\frac{6760}{0102}$	$\frac{7094}{0436}$	$\frac{7429}{0770}$	$\frac{7763}{1104}$	$\frac{8097}{1437}$	$\frac{8431}{1771}$	$\frac{8765}{2105}$	$\frac{9099}{2439}$	9 302
1	114	6-					1201		2100	2100	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1300	113 9434 114 2773					$\frac{\overline{1104}}{4442}$		1771 5109			
01 02		6443		7110				8444			
03		9777	$\overline{0111}$	0444	0777	1110	1444	1777	$\overline{2110}$	$\overline{2443}$	
04	115 2776	6438			4108 7436			5107 8434			
06	9432		$\overline{0097}$		$\frac{0762}{}$			$\frac{1759}{1759}$			332
07	116 2756			3753	4085		4749		5413		1 33
08		6409			7405			8401			2 66 3 100
10	117 2713	9728			0723 4039	1055	1387 4702	1718 5033			4 133
1311		6358		7021	7352		8014	8345	8676	9007	5 166 6 199
12	9338		0000		$\overline{0662}$		$\overline{1324}$	$\overline{1655}$	1986	2316	7 232
13	118 2647	2978 6284			3970 7276			4962 8267	5293 8597		8 266 9 299
15		9588		$\frac{0343}{0248}$	$\frac{1270}{0578}$	0909	$\frac{1330}{1239}$	$\frac{5207}{1569}$	$\frac{899}{1899}$	$\frac{3921}{2229}$	
16	119 2559	2889	<b>321</b> 9	3549	3879	4209	4539	4868	5198	5528	
17		6187						8165	8495		329
18	9154 $1202448$	9484			0472 3765			1460 4752			1 33 2 66
20		6068						8042			3 99
1321	9028		9686					$\overline{1329}$	$\overline{1657}$		4 132 5 165
22	121 2315						4285	4614			6 197
23 24		59 <b>27</b> 9208					$\frac{7568}{0848}$	$\frac{7896}{1175}$	$\frac{8224}{1503}$	$\frac{8552}{1831}$	7 230 8 263
25	122 2159	2487	2814	3142	3470		4125	4453	4780		9 296
26		5763					7400	7727	8055	8382	
27 28	8709 123 1981	9036					$\frac{\overline{0672}}{3942}$		1327	$1654 \\ 4923$	
29	5250		5903			6883	7210	7537	7863		200
30	8516	8843	9169	9496	982 <b>2</b>	0149	0475	0802	$\overline{1128}$	$\overline{1454}$	$\begin{bmatrix} 326 \\ 1 & 33 \end{bmatrix}$
1331	124 1781				3086		3738	4064		4716	2 65
32		2 5368 1 8627		9279			$\frac{6998}{0256}$		$\frac{7650}{0907}$	$\frac{7976}{1233}$	3 98 4 130
34	125 1558	1884	2209	2535	2860	3186	3511	3837	4162	4487	5 163 6 196
35	4813		5463	5788			6764	7089	7414	7739	7 228
36	8065 1261314	8390						$\frac{\overline{0339}}{3587}$		0989 4237	8 261 9 293
38		4886			5859			6833	7157		0 200
39		8130			9103	9427		0076			
40	127 1048				2344		2992	3316			
1341		$\frac{3}{5}$ $\frac{4612}{7849}$			8819		9466	6554 9790		$\frac{7202}{0437}$	
43	128 0760	1083	1407	1730	2053	2377	2700	3023	3346	3670	323
44 45	3993 7223		4639 7869	4962 8191	5285 8514		5931 9160	6254 $9483$	6577 9805	$\frac{6900}{0128}$	1 32 2 65
46	129 0451					-	2386			3354	3 97 4 129
47	3676		4321					5932		6577	5 162
48		7221						9154	9476	9798	6 194 7 226
1350	130 0119 3338	0441 3659			1407 4624		$2051 \\ 5267$	$\begin{array}{c} 2372 \\ 5589 \end{array}$	2694 5911		8 258 9 291
1000	1		3001	1000	2021	2020	3201	3000	0011	0202	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1350 51 52 53 54 55	130 3338 6553 9767 131 2978 6187 9393	$\frac{6875}{0088}$	$\begin{array}{c} 7196 \\ \hline 0409 \\ 3620 \\ 6828 \end{array}$	0730 $3941$ $7149$	7839	$\frac{8161}{1373}$	$\begin{array}{c} 5267 \\ \underline{8482} \\ 1694 \\ 4903 \\ \underline{8111} \\ 1316 \end{array}$	$\begin{array}{c} 5589 \\ \underline{8803} \\ \underline{2015} \\ 5224 \\ \underline{8431} \\ \underline{1636} \end{array}$	$5911 \\ \underline{9124} \\ \underline{2336} \\ 5545 \\ \underline{8752} \\ \underline{1956}$	$6232 \\ \underline{9446} \\ \underline{2657} \\ 5866 \\ \underline{9072} \\ \underline{2277}$	320
56 57 58 59 60	8998 133 2195 5389	6119 9317 2514 5708	6439 9637 2834 6028	9957 3153 6347	3473 6666		$\begin{array}{c} 4112 \\ 7305 \end{array}$	$\begin{array}{r} 4838 \\ \underline{8038} \\ 1236 \\ 4431 \\ 7624 \end{array}$		8262	1 32 2 64 3 96 4 128 5 160 6 192 7 224
1361 62 63 64 65	$1341771\\4959\\8144\\1351327$	5277 8462 1645	2409 5596 8780 1963	2728 5914 9099 2281	3046 6233 9417 2599	3365 6551 9735 2917	0495 3684 6870 0054 3235	0814 4003 7188 0372 3553	1133 4321 7507 0690 3871	4189	7 224 8 256 9 288
66 67 68 69 70	136 0861 4034	8003 1178 4352 7523	8320 1496 4669 7840	1813 4986	8956 2131	9273 2448 5620	5937 9107	9908 3083 6255 9424 2591	6572		317 1 32 2 63 3 95 4 127
72 73 74 75 76	3541 6705 9867 1383027	$\begin{array}{c} 3858 \\ 7022 \\ \hline 0183 \end{array}$	$4174 \\ 7338 \\ \hline 0499 \\ 3659$	4491 7654	4807 7970 1131 4290 7447	$\frac{5124}{8287}$ $\frac{1447}{1447}$	5440 8603 1763 4922 8078			6389 9551 2711 5869 9024	5 159 6 190 7 222 8 254 9 285
77 78 79 80 1381	9339 139 2492 5643	9655 2807 5958 9106	9970 3122 6272 9420	0285 3438 6587 9735		$     \begin{array}{r}       \hline       0916 \\       4068 \\       \hline       7217 \\       \hline       0364     \end{array} $	$\overline{1231}$ $4383$ $7532$	1547 4698 7847 0993 4138	1862 5013 8161 1308 4452	$   \begin{array}{r}     \hline     3024 \\     \hline     2177 \\     5328 \\     \underline{8476} \\     \hline     1622 \\     4766   \end{array} $	314
82 83 84 85 86	5080 8222 141 1361 4498	5395 8536 1675	5709 8850 1988 5125	6023 9164 2302 5438	6337 9478 2616	6651 9792 2930 6065	$\begin{array}{c} 6966 \\ \hline 0106 \\ 3243 \\ 6379 \end{array}$	7280	$\begin{array}{r} 7594 \\ \hline 0733 \\ 3871 \\ 7006 \end{array}$	$\frac{7908}{1047}$ $\frac{4184}{7319}$ $\frac{1}{0451}$	1 31 2 63 3 94 4 126 5 157 6 188
87 88 89 90	142 0765 3895 7022 143 0148	1078 4208 7335 0460	1391 4520 7648 0773	1704 4833 7960 1085	2017 5146 8273 1398	2330 5459 8586 1710	2643 5772 8898 2022	2956 6084 9211 2335	3269 6397 9523 2647	3582 6710 9836 2959	7 220 8 251 9 283
1391 92 93 94 95	6392 9511 144 2628 5742	9823 2939 6053	$\begin{array}{c} 7016 \\ \hline 0135 \\ 3251 \\ 6365 \end{array}$	$   \begin{array}{r}     4208 \\     \hline     7328 \\     \hline     0446 \\     3562 \\     6676 \\     \hline     0505 \\   \end{array} $	4520 7640 0758 3874 6987	$\begin{array}{r} 7952 \\ \hline 1070 \\ 4185 \\ 7298 \end{array}$	$   \begin{array}{r}     5144 \\     8264 \\     \hline     1381 \\     4497 \\     7610 \\     \hline     07220 \\     \end{array} $	$\frac{8576}{1693}$ $4808$ $7921$	$\frac{8888}{2005} \\ 5119 \\ 8232$	6080 9199 2316 5431 8543	311 1 31 2 62 3 93
96 97 98 99 1400	145 1964	5382 8488	2586 5693 8798	2897 6004 9108	3207 6314 9419	3518 $6625$ $9729$	$   \begin{array}{r}     \hline       0720 \\       3829 \\       \hline       6935 \\       \hline       0039 \\       3141   \end{array} $	$   \begin{array}{r}     1031 \\     4140 \\     7246 \\     \hline     0350 \\     3451   \end{array} $	$   \begin{array}{r}     1342 \\     4450 \\     \hline     7556 \\     \hline     0660 \\     3761   \end{array} $	1653 4761 7867 0970 4071	4 124 5 156 6 187 7 218 8 249 9 280

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1400 01 02 03 04 05	7480 147 0577 3671	4691 7790 0886 3980	5001 8100 1196	5311 8409 1505 4599	5621	$2124 \\ 5217$		6551 9648 2743 5836	$9958 \\ 3052$	3362	
06 07 08 09 10	148 2941 6027 9110 149 2191	0162 3250 6335 9418 2499	0471 3558 6643 9726 2807	$\begin{array}{c} \overline{0780} \\ 3867 \\ 6952 \\ \overline{0035} \\ 3115 \end{array}$	3423	$\frac{7569}{0651}$ 3731	$\frac{7877}{0959} \\ 4039$	5101 $8185$ $1267$ $4347$	5410 $8493$ $1575$ $4655$	$\frac{8802}{1883} \\ 4962$	308 1 31 2 62 3 92 4 123 5 154
1411 12 13 14 15 16	8347 150 1422 4494	5578 8655 1729 4801 7871	8962 2036 5108 8178	9270 2344 5415 8485	9577	9885 2958 6030 9099	3265	$\frac{7424}{0499}$ $3573$ $6644$ $9712$ $2779$	$\frac{6951}{0019}$	$   \begin{array}{r}     8039 \\     \hline     1114 \\     4187 \\     7257 \\     \hline     0326 \\     3392   \end{array} $	5 154 6 185 7 216 8 246 9 277
16 17 18 19 20	3699 6762 9824 152 2883	$\frac{4005}{7069} \\ \hline 0130$	$4311 \\ 7375 \\ \hline 0436 \\ 3495$	$\begin{array}{r} 4618 \\ 7681 \\ \hline 0742 \\ 3801 \end{array}$	1839 4924 7987 1048 4107 7163	$\frac{5231}{8293} \\ \hline 1354$	$5537 \\ 8600 \\ \hline 1660$		$\begin{array}{c} 6150 \\ \underline{9212} \\ \underline{2272} \end{array}$		1 31 2 61 3 92 4 122 5 153 6 184
22 23 24 25 26	8996 153 2049 5100	9301 2354 5405 8453	9607 2659 5710 8758	9912 2964 6015 9063	0217 3270 6320 9368	$     \begin{array}{r}       \hline       0523 \\       3575 \\       6625 \\       9672     \end{array} $	$\begin{array}{c} \overline{0828} \\ 3880 \end{array}$	1133 4185 7234	$\begin{array}{r} 1439 \\ 4490 \\ 7539 \\ \hline 0586 \end{array}$	$     \begin{array}{r}       \hline       1744 \\       4795 \\       \hline       7844 \\       \hline       0891 \\       \hline       3935 \\     \end{array} $	7 214 8 245 9 275
27 28 29 30 1431	4240 7282 155 0322 3360	4544 7586 0626 3664	4848 7890 0930	5153 8194 1234	5457 8498 1538 4575	5761 8802 1842 4879	6065 9106 2145	6370 9410 2449 5486	6674	$     \begin{array}{r}       6978 \\       \hline       0018 \\       3057 \\       \hline       6093 \\       9127     \end{array} $	1 30 2 61 3 91 4 122 5 152 6 182
32 33 34 35 36	9430 156 2462 5492	9733 2765 5794 8822	0037 3068 6097 9124	0340 $3371$ $6400$ $9427$	0643 $3674$ $6703$	$   \begin{array}{r}     \hline       0946 \\       3977 \\       7006 \\       \hline       0032   \end{array} $	$\begin{array}{r} 1249 \\ 4280 \\ 7308 \\ \hline 0334 \end{array}$	$\overline{1553}$	$     \begin{array}{r}       \hline       1856 \\       4886 \\       \hline       7914 \\       \hline       0939 \\     \end{array} $	$\overline{2159}$	7 213 8 243 9 274 302 1 30
37 38 39 40 1441	4568 7589 158 0608 3625	4870 7891	5172 8193 1212 4228	5474 8495 1513 4530	5776 8797 1815 4831	6079 9099 2117	6381 9401 2418 5434	6683 9702 2720	$   \begin{array}{r}     6985 \\     \hline     0004 \\     3022 \\     6037 \\     9050   \end{array} $	$\begin{array}{c} 7287 \\ \hline 0306 \\ 3323 \\ 6338 \end{array}$	2 60 3 91 4 121 5 151 6 181 7 211
42 43 44 45 46	9653 159 2663 5672	9954 2964 5973 8979	0255 3265 6273 9280	$\begin{array}{c} \overline{0556} \\ 3566 \end{array}$	$\frac{\overline{0857}}{3867}$	$\overline{1158}$ $4168$ $7175$	$   \begin{array}{r}     \hline     1459 \\     4469 \\     7476 \\     \hline     0481   \end{array} $	$\begin{array}{c} \overline{1760} \\ 4770 \end{array}$	$\overline{2061}$	$\begin{array}{c} \overline{2362} \\ 5371 \end{array}$	8 242 9 272 300 1 30 2 60 3 90
48 48 49 1450	4685 7686 161 0684	4985 7986	5286 8285 1283	5586 8585 1583	5886 8885 1883	6186 9185 2182	6486 9485 <b>2482</b>	6786 9785 2781 5776	$\frac{7086}{0084}$ 3081	$\frac{7386}{0384}$ $3380$	4 120 5 150 6 180 7 210 8 240 9 270

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1450 51 52	9666	3980 6973 9965		$\frac{4578}{7572} \\ \hline 0563$	$\frac{4878}{7871} \\ \hline 0862$	5177 8170 1161	$5477 \\ 8470 \\ \hline 1460$	$\frac{8769}{1759}$	$\frac{6075}{9068} \\ \hline 2058$	$6375 \\ \underline{9367} \\ 2357$	
53 54 55	8630	2955 5943 8928	9227	3553 6540 9525	3852 6839 9824	$   \begin{array}{r}     4150 \\     7137 \\     \hline     0122   \end{array} $	$\frac{4449}{7436}$ $\frac{0420}{0420}$	4748 $7734$ $0719$	5047 8033 1017	5345 8331 1315	298 1 30 2 60
56 57 58 59		4894 7873	8171		2807 5788 8767 1743	6086	3403 6384 9362 2339	9660	3999 6979 9958 2934		3 89 4 119 5 149 6 179
60 1461 62	6502 9474	6799 9771	$\frac{4123}{7097}$ $\frac{7097}{0068}$	$4421 \\ \frac{7394}{0365}$	$\frac{4718}{7691}$ $\frac{7691}{0662}$	7988	$5313 \\ 8285 \\ \hline 1256$	$5610 \\ 8582 \\ \hline 1553$	$\frac{5908}{8880}$ $\frac{8880}{1850}$	$6205 \\ \frac{9177}{2146}$	7 209 8 238 9 268
63 64 65	8376	5707 8673	6004 8969	9265	3631 6597 9562	9858	$\frac{4224}{7190} \\ \hline 0155$		$\frac{7783}{0747}$	$5114 \\ 8080 \\ \hline 1043$	296 1 30 2 59 3 89
66 67 68 69	$4301 \\ 7261 \\ 1670218$	4597 7556 0514		8148 1105	1400	8740 1696	6077 9035 1991	6373 9331 2287	$9627 \\ 2582$		4 118 5 148 6 178 7 207
70 1471 72 73	6127 9078	9373	6717 9668	4060 7012 9963	$\frac{4355}{7308}$ $\frac{7308}{0258}$	4650 7603 0553	$\frac{7898}{0848}$	$\frac{8193}{1143}$		$\frac{8783}{1733}$	8 237 9 266
74 75 76	$   \begin{array}{r}     1682027 \\     4975 \\     7920 \\     1690864   \end{array} $		8509	2912 5859 8803 1746	3207 6153 9098 2040	6448 9392 2335	6742	4091 7037 9981 2923	$4386 \\ 7331 \\ \hline 0275 \\ 3217$	$\frac{7626}{0569}$	294 1 29 2 59 3 88
77 78 79 80	3805 6744 9682 170 2617	4099		$\begin{array}{c} 4687 \\ 7626 \\ \hline 0563 \end{array}$	$4981 \\ 7920 \\ \hline 0856 \\ 3791$	$   \begin{array}{r}     5275 \\     8213 \\     \hline     1150 \\     4084   \end{array} $	$\frac{5569}{8507} \\ \hline 1443$	$\begin{array}{r} 5863 \\ 8801 \\ \hline 1737 \end{array}$		$\frac{6450}{9388} \\ \hline 2324$	4 118 5 147 6 176 7 206
1481 82 83	5551 8482 171 1412	5844 8775	6137	6430 9361	6723	7017 9947 2876	7310	$\frac{7603}{0533}$ $\frac{3461}{0}$	$\tfrac{7896}{0826}$	8189	8 235 9 265
84 85 86	4339 7265 172 0188	4632 7557 0480	4924 7849 0773	5217 8142 1065	5509 8434 1357	5802 8727 1649	6095 9019 1941	6387 $9311$ $2233$	$6680 \\ 9604 \\ 2526$	2818	292 1 29 2 58 3 88
87 88 89 90	3110 $6029$ $8947$ $1731863$	$\begin{array}{c} 6321 \\ 9239 \end{array}$	3694 6613 9530 2446	3986 6905 9822 2737	$   \begin{array}{r}     4278 \\     7197 \\     \hline     0113 \\     3028   \end{array} $	$   \begin{array}{r}     4570 \\     7488 \\     \hline     0405 \\     3320   \end{array} $	$\frac{7780}{0697}$	$\frac{8072}{0988}$	$     \begin{array}{r}       5446 \\       \hline       8364 \\       \hline       1280 \\       \hline       4194     \end{array} $	$\frac{8655}{1571}$	4 117 5 146 6 175 7 204
1491 92 93	4776	5068 7979 0889	5359	5650 8561 1471	5941 8852 1761	6233 9143 2052	6524 9434 2343	6815 9725 2634	$\begin{array}{c} 7106 \\ \hline 0016 \\ 2925 \end{array}$	$\frac{7397}{0307}$ $3215$	8 234 9 263
94 95 96		6702 9606	4087 6993 9897		$\frac{4669}{7574}$ $\overline{0477}$	$\frac{7864}{0767}$	1057	$\frac{8445}{\overline{1348}}$	$\overline{1638}$	$\frac{9026}{1928}$	290 1 29 2 58 3 87 4 116
97 98 99 1500	$   \begin{array}{r} 1752218 \\ 5118 \\ 8016 \\ 1760913 \end{array} $	5408 8306			9175	9465	6857 9754	$\begin{array}{c} 4248 \\ 7147 \\ \hline 0044 \\ 2939 \end{array}$	$   \begin{array}{r}     4538 \\     7437 \\     \hline     0333 \\     3228   \end{array} $	4828 $7727$ $0623$ $3518$	5 145 6 174 7 203 8 232 9 261

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1500 01 02 03 04 05	6699 9590 177 2478	4096 6988 9879	$\begin{array}{c} 4386 \\ \underline{7278} \\ 0168 \\ 3056 \end{array}$	$4675 \\ 7567 \\ \hline 0457 \\ 3345$	$4964 \\ 7856 \\ \hline 0745 \\ 3633$	$5253 \\ 8145 \\ \hline 1034 \\ 3922$	2649 5543 8434 1323 4211 7096	$5832 \\ 8723 \\ \hline 1612 \\ 4499$	$3228$ $6121$ $9012$ $\overline{1901}$ $4788$ $7673$	3518 $6410$ $9301$ $2190$ $5076$ $7961$	288
06 07 08 09 10	8250 178 1133 4013	8538 1421 4301 7180	8826 1709 4589 7468	9115 1997 4877	9403 2285 5165	9691 2573	9980 2861	$\begin{array}{c} \overline{0268} \\ 3149 \end{array}$	$     \begin{array}{r}       \hline       0556 \\       3437 \\       6317     \end{array} $	$0844 \\ 3725 \\ 6605$	2 58 3 86 4 115 5 144 6 173 7 202
1511 12 13 14 15	8389 180 1259 4126	5805 8676 1546 4413	8963 1832 4700	6380 9250 2119 4986	9537 2406 5273	6954 9824 2693 5559	2980 5846	3266 6133		3840 6706	286 1 29 2 57
16 17 18 19 20	9856 181 2718 5578 8436	0142 3004 5864 8722	0428 3290 6150 9007	$6435 \\ 9293$	3862 6721 9579	7007 9864	$\frac{7293}{0150}$	$4720 \\ 7579 \\ \hline 0435$	$\begin{array}{r} 9283 \\ \hline 2145 \\ 5006 \\ \hline 7864 \\ \hline 0721 \\ \end{array}$	$\begin{array}{c} 5292 \\ \underline{8150} \\ 1007 \end{array}$	3 86 4 114 5 143 6 172 7 200 8 229
1521 22 23 24 25 26	6999 9850 183 2698	$\begin{array}{r} 4432 \\ 7284 \\ \hline 0135 \end{array}$	$4717 \\ 7569 \\ \hline 0420 \\ 3268$	$5002 \\ 7854 \\ \hline 0704 \\ 3553$	$\frac{8140}{0989}$ $3837$	$5573 \\ 8425 \\ \hline 1274$	$\begin{array}{r} 5858 \\ 8710 \\ \hline 1559 \\ 4407 \end{array}$	$6143 \\ 8995 \\ \hline 1844$	$3576$ $6429$ $9280$ $\overline{2129}$ $4976$ $7822$	$6714 \\ 9565 \\ \hline 2414$	9 257 284 1 28
27 28 29 30 1531	8390 184 1234 4075 6914	8675	8959 1802 4643 7482	9244 2086 4927 7766	9528 2370 5211 8050	9812 2654 5495 8333	0096 2939 5779 8617	0381 3223 6063 8901		0949 3791 6630 9468	2 57 3 85 4 114 5 142 6 170 7 199
32 33 34 35 36	185 2588 5422 8254 186 1084	2871 5705 8537	3155 5988 8820 1650	3438 6271 9103 1932	3721 6555 9386 2215	4005 6838 9669 2498	4288 7121 9952 2781	$\begin{array}{r} 4572 \\ 7404 \\ \hline 0235 \\ 3064 \end{array}$	$\frac{4855}{7687} \\ \hline{0518}$	$\begin{array}{c} 5138 \\ 7970 \\ \hline 0801 \\ 3629 \end{array}$	8 227 9 256
37 38 39 40 1541	6739 9563 187 2386 5207	7021 9846	$\begin{array}{r} 7304 \\ \hline 0128 \\ 2951 \\ 5771 \end{array}$	$\begin{array}{c} 7586 \\ \hline 0410 \\ 3233 \\ 6053 \end{array}$	$\frac{7869}{0693}$ $\frac{3515}{6335}$	$\frac{8151}{0975} \\ 3797 \\ 6617$	$\frac{8434}{1257}$ $4079$ $6899$	$8716 \\ 1540 \\ 4361 \\ 7181$	$\frac{8999}{1822}$ $\frac{4643}{1822}$	$\frac{9281}{2104}$ $4925$ $7745$	282 1 28 2 56 3 85 4 113 5 141
42 43 44 45 46	188 0844 3659 6473	1125 3941 6754 9566	1407 4222 7035 9847	$   \begin{array}{r}     1689 \\     4504 \\     7317 \\     \hline     0128   \end{array} $	$   \begin{array}{r}     1970 \\     4785 \\     7598 \\     \hline     0409   \end{array} $	$   \begin{array}{c}     2252 \\     5066 \\     7879 \\     \hline     0690   \end{array} $	$\begin{array}{c} 2533 \\ 5348 \\ \underline{8160} \\ 0971 \end{array}$	$\begin{array}{c} 2815 \\ 5629 \\ \underline{8441} \\ 1252 \end{array}$	3096 5910 8723	3378 6192 9004 1814	6 169 7 197 8 226 9 254
46 47 48 49 1550	4903	5184 7990 0795	5465 8271 1075	5745 8551 1355	6026 8832 1636	$\begin{array}{c} 6307 \\ 9112 \end{array}$	6587 9393 2196	6868 9673 2476	7148 9953 2757	$\frac{7429}{0234}$ $3037$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1550 51 52 53 54 55	8917 191 1715 4510	6398 9197 1994 4790	9477		2833	4718 7518 0316 3113 5907 8700	4998 7798 0596 3392 6187 8979	$5278 \\ 8078 \\ \hline 0876 \\ 3672 \\ 6466 \\ 9259$	5558 8357 1155 3951 6745 9538	5838 8637 1435 4231 7025 9817	279 1 28 2 56
56 57 58 59 60 1561	192 0096 2886 5675 8461 193 1246 4029	0375 3165 5953 8740 1524 4307	0654 3444 6232 9018 1803 4585	0933 3723 6511 9297 2081 4864	1212 4002 6789 9575 2359 5142	1491 4281 7068 9854 2638 5420	$1770 \\ 4559 \\ 7347 \\ \hline 0132 \\ 2916 \\ 5698$	2049 4838 7625 0411 3194 5976	$2328 \\ 5117 \\ 7904 \\ \hline 0689 \\ 3473 \\ 6254$	2607 5396 8183 0968 3751 6532	3 84 4 112 5 140 6 167 7 195 8 223 9 251
62 63 64 65 66	9590 194 2367 5143	8195	$\frac{7366}{0145}$ $\frac{2923}{5698}$ $\frac{8472}{1244}$		7922 0701 3478 6253 9027	$     \begin{array}{r}       \overline{0979} \\       3756 \\       6531 \\       9304     \end{array} $	8478 $1257$ $4033$ $6808$ $9581$ $2353$	4311 7086 9858	$\frac{7363}{0136}$	$\frac{7640}{04\overline{13}}$	277 1 28 2 55 3 83
67 68 69 70 1571		3738 6506 9273	4014 6783 9550 2315		$\frac{1798}{4568}$ $\frac{7336}{0103}$ $\frac{2867}{5630}$	$4845 \\ 7613 \\ \hline 0379 \\ 3144$	$\begin{array}{c} 5122 \\ 7890 \\ \hline 0656 \\ 3420 \end{array}$	$5399 \\ 8167 \\ \hline 0932 \\ 3697$	$5676 \\ 8443 \\ \hline 1209 \\ 3973$	1485 4249	4 111 5 139 6 166 7 194 8 222 9 249
72 73 74 75 76	7287 197 0047 2806 5562	7563 0323 3081 5838	7839 0599 3357 6113	8115 0875 3633 6389	8391 1151 3908 6664	8667 1427 4184 6940	<ul><li>4460</li><li>7215</li></ul>	9219 1978 4735 7491	9495 2254 5011 7766	2530 5287 8042	275 1 28 2 55
77 78 79 80 1581	198 1070 3821 6571 9319	1345 4096 6846 9593	4371 7121 9868	$1896 \\ 4646 \\ 7395 \\ \hline 0143$	$4921 \\ 7670 \\ \hline 0417$	$   \begin{array}{r}     2446 \\     5196 \\     7945 \\     \hline     0692   \end{array} $	9969 $2721$ $5471$ $8220$ $0967$	$2996 \\ 5746 \\ 8495 \\ \hline 1241$	3271 $6021$ $8769$ $1516$	$3546$ $6296$ $9044$ $\overline{1790}$	3 83 4 110 5 138 6 165 7 193 8 220
82 83 84 85 86	$7552 \\ 2000293 \\ 3032$	5083 7826 0567 3306	8100 0841 3579	8374 1115 3853	3163 5906 8648 1389 4127	8922 1662 4401	6455 9197 1936 4674	9471 $2210$ $4948$	7003 9745 2484 5222	0019 2758 5496	9 248
87 88 89 90 1591	8505 201 1239 3971 6702		9052 1786 4517 7248	7521	9599 2332 5064 7794	8066	2879 5610 8339	8612	0692 3425 6156 8885	9158	273 1 27 2 55 3 82 4 109 5 137
92 93 94 95	7607 203 0329	7879 0601	2703 5428 8151 0873	2976 5700 8424 1145	8696 1417	0794 3521 6245 8968 1689	9240 1961	4066 6790 9512 2233	4338 7062 9785 2505	$   \begin{array}{r}     1885 \\     4611 \\     7335 \\     \hline     0057 \\     2777   \end{array} $	6 164 7 191 8 218 9 246
97 98 99 1600	3049 5768 8485 2041200	3321 6040 8756 1471	3593 6311 9028 1743	3865 6583 9299 2014	9571	4409 7126 9842 2557	$4681 \\ 7398 \\ \hline 0114 \\ 2828$	$4952 \\ 7670 \\ \hline 0385 \\ 3099$	0657	$\frac{8213}{0928}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1600 01 02 03 04 05	$6625 \\ 9335 \\ 205 2044$	$4185 \\ 6896 \\ 9606$	7167 9877 2585	$\begin{array}{c} 4727 \\ 7438 \\ \hline 0148 \end{array}$	4998 7709	-	$\frac{8251}{0960} \\ 3668$	$\begin{array}{c} 5812 \\ 8522 \end{array}$	$\frac{8793}{1502} \\ 4209$	$\frac{9064}{1773}$	270 1 27
06 07 08 09 10	206 0159 2860 5560 8259	0429 3131 5830 8529	3401 6100 8798	0969 3671 6370 9068	3941 6640 9338	1510 4211 6910 9607	4481 7180 9877	$2050 \\ 4751 \\ \underline{7449} \\ 0147$	$\begin{array}{c} 5021 \\ 7719 \\ \hline 0416 \end{array}$	$\begin{array}{c} 2590 \\ 5291 \\ \underline{7989} \\ 0686 \end{array}$	2 54 3 81 4 108 5 135 6 162 7 189
1611 12 13 14 15	$6344 \\ 9035 \\ 2081725$	3920 6613 9304 1994	4189 6882 9573 2263	9842 2532	$4728 \\ 7421 \\ \hline 0111 \\ 2801$	$4997 \\ 7690 \\ \hline 0380 \\ 3070$	$\frac{\overline{0649}}{3338}$	2842 5536 8228 0918 3607	$\frac{1187}{3876}$	$\frac{8766}{1456}$ $4145$	8 216 9 243
16 17 18 19 20 1621	209 2468 5150	$     \begin{array}{r}       \hline       0054 \\       2737 \\       5418     \end{array} $	$\tfrac{7637}{0322}$	$\frac{7906}{0590}$ $\frac{3273}{5954}$	$     \begin{array}{r}       \hline       0859 \\       3541 \\       6222     \end{array} $	$\frac{8443}{1127}$ $3810$	$\begin{array}{r} \overline{1395} \\ 4078 \end{array}$	$\frac{8980}{1664}$	$\overline{1932}$ $4614$ $7294$	$\begin{array}{r} 9517 \\ \hline 2200 \\ 4882 \end{array}$	268 1 27 2 54 3 80 4 107
22 23 24 25 26	210 0508 3185 5860	0776 3453 6128 8801	1044 3720 6395 9068	1312 3988 6662 9335	$\begin{array}{c} 1579 \\ 4255 \end{array}$	1847 4523 7197 9870	2115 4790 7464	2382 5058	2650	2918 5593 8266 0938 3609	5 134 6 161 7 188 8 214 9 241
27 28 29 30 1631	3876 6544 9211 2121876	4142 6811 9477	4409 7078 9744 2409	$\begin{array}{c} 4676 \\ 7344 \end{array}$	$4943 \\ 7611 \\ \hline 0277 \\ 2942$	$5210 \\ 7878 \\ \hline 0544 \\ 3208$	$\begin{array}{c} 5477 \\ \underline{8144} \\ \overline{0810} \end{array}$	$5744 \\ 8411 \\ \hline 1077 \\ 3741$	$6010 \\ 8678 \\ \hline 1343$	$6277 \\ 8944 \\ \hline 1610 \\ 4273$	266 1 27 2 53 3 80
32 33 34 35	7202 9862 213 2521 5178	$\begin{array}{r} 7468 \\ \hline 0128 \\ 2786 \\ 5443 \end{array}$	$\begin{array}{r} 7734 \\ \hline 0394 \\ 3052 \\ 5709 \end{array}$	$\begin{array}{r} 8000 \\ \hline 0660 \\ 3318 \\ 5974 \end{array}$	$\frac{8266}{0926}$ $3584$ $6240$	$\frac{8532}{1191}$ $\frac{3849}{6505}$	$\begin{array}{r} 8798 \\ \hline 1457 \\ 4115 \\ 6771 \\ \end{array}$	$\begin{array}{c} 9064 \\ \hline 1723 \\ 4381 \\ 7037 \end{array}$	$\begin{array}{c} 9330 \\ \hline 1989 \\ 4646 \\ 7302 \end{array}$	2255 $4912$ $7568$	4 106 5 133 6 160 7 186 8 213 9 239
36 37 38 39 40	214 0487 3139 5790 8438	0752 3404 6055 8703	3669 6319 8968	1283 3934 6584 9233	1548 4199 6849 9498	1813 4464 7114 9762	$2078 \\ 4730 \\ 7379 \\ \hline 0027$		$\begin{array}{c} 2609 \\ 5260 \\ 7909 \\ \hline 0556 \end{array}$	$   \begin{array}{r}     2874 \\     5525 \\     8174 \\     \hline     0821   \end{array} $	264 1 26
1641 42 43 44 45	6376 9018 216 1659	3996 6640 9282 1923	4260 6904 9546 2187	4525 7169 9811 2451	$4789 \\ 7433 \\ \hline 0075 \\ 2715$	2409 5054 7697 0339 2979	$\frac{7961}{0603}$ 3243		$\begin{array}{c} 5847 \\ \underline{8490} \\ 1131 \\ 3771 \end{array}$	$\overline{1395}$ $4034$	2 53 3 79 4 106 5 132 6 158 7 185
46 47 48 49 1650	6936 9572 217 2207	7200 $9836$ $2470$	$4826 \\ 7463 \\ \hline 0099 \\ 2733 \\ 5366$	$\begin{array}{r} 7727 \\ \hline 0363 \\ 2997 \end{array}$	3260	$\frac{8254}{0890}$ 3523	3786	8781		$\frac{9309}{1943}$ $4576$	8 211 9 238

I NT.	0	1	0	2	1	E	C		0	0	Dim
No.	0	1	2	3	4	5	6	7	8	9	Diff.
1650	217 4839	5103 7734	5366	5629 8260	589 <b>2</b> 8523	6155 8786		$6682 \\ 9312$	6945 9575	7208 9838	
52		0363		0889	1152			1940			000
53	2729	2991	3254	3517	3779	4042	4305	4567	4830	5092	262 1 26
54	5355		5880		6405		6930	7193	$\frac{7455}{0050}$	7718	2 52
55	7980		8505		9030	9292	9554	9816	0079	0341	3 79 4 105
56 57	219 0603	3487		1390 4011		1914 4535	$2177 \\ 4797$	2439 5059	$2701 \\ 5321$		5 131
58				6631		7155	7417	7678	7940	8202	6 157
59		8726		9249	9511	9773	$\overline{0034}$		$\overline{0558}$		7 183 8 210
60	220 1081		1604		2127	2389	2650		3173	3435	9 236
1661 62		3958 6571	4219	4481 7094	4742 7355	5003 7617	$\frac{5265}{7878}$	5526 8139	5788 8400	6049	
63		9184			9967		$\frac{1818}{0489}$		$\frac{8400}{1011}$		
64	221 1533	1794	2055	2316	2577	2838		3360			
65	4142	4403	4664	4925	5186	5446	5707	5968	6229	6489	260
66		7011	7271	$\frac{7532}{2100}$	$\frac{7793}{2222}$	8053		8574		9095	1 26
67	222 1960	$9617 \\ 2221$	$9877 \\ 2481$	$\begin{array}{c} \overline{0138} \\ 2741 \end{array}$	0398	3262	$\frac{\overline{0919}}{3522}$	$\frac{\overline{1179}}{3783}$		1700 4303	2 52
69	4563	4824	5084	5344	5604			6384		6905	3 78 4 104
70	7165	7425	7685	7945	8205	8465	8725	8985	9245	9505	5 130
1671		$\overline{0024}$			0804		$\overline{1324}$		$\overline{1843}$	$\overline{2103}$	6 156 7 182
72	223 2363 4959	2622 5219	2882 5479	3142 5738	3402		3921 6517			4700 7295	8 208
74		7814		8333				9370		9889	9 234
75	224 0148	0407	0667	0926	1185			1963		2481	
76		2999		3517		4036	4295	4554	4813	5072	
77				6107				7143			
78 79		8178 0766	8437 1024	8696 1283	8955 1541			9731 2317	2576		258
80		3351		3868	4127			4902			1 26
1681	5677	5935	6194	6452	6710	6969	7227	7485	7743	8002	2 52 3 77
82				9034			9809			0583	3 77 4 103
83	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	1099 3679	3937	1615 4194	$1873 \\ 4452$		2389	2647 5226	2905	3163	5 129 6 155
85	5999	6257	6515	6772	7030		7545		8060	8318	6 155 7 181
86	8576	8833	9091	9348	9606	9863	$\overline{0121}$	0378	$\overline{0636}$	0893	8 206 9 232
87	227 1151			1923	2180		2695			3467	9 232
88	3724 6296	3982	4239 6811		4753 7325	5011 7582	5268 7839	5525 8096	-,	6039	
90	8867	9124		9638	9895	$\frac{7582}{0152}$	$\frac{7839}{0409}$	$\frac{8096}{0666}$	$\frac{8353}{0922}$	$\frac{8610}{1179}$	
1691	228 1436	1693	1950	2206	2463	2720	2977	3233	3490	3747	
92		4260		4774	5030	5287	5543	5800	6057	6313	256
93		6826 9390	7083 9647	7339 9903	$\frac{7596}{0159}$	$\frac{7852}{0416}$	$\frac{8108}{0672}$	$\frac{8365}{0928}$	$\frac{8621}{1185}$		1 26 2 51
95	229 1697		2209	2466	2722	2978	3234	3490	3746	1441	3 77
96		4515		5027	5283	5539		6051		6562	4 102 5 128
97	6818	7074	7330	7586	7842	8098	8354	8609	8865	9121	6 154
98		9633			0400		0911		1423	1678	7 179
1700	230 1934 4489			$2701 \\ 5256$	2956	3212 5766	3467	$\frac{3723}{6277}$	3978	6788	8 205 9 230
1.00	1 100		3000	3200	0011	0,00	3022	3211	3002	0100	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
1700 01 02		7043 9596	4745 7298 9851	$\frac{7554}{0106}$	$\frac{7809}{0361}$	$\frac{8064}{0616}$	0871	$\frac{8575}{1126}$	$\frac{8830}{1381}$	$\frac{9085}{1636}$	$\frac{9340}{1891}$	
03 04 05		4696 7244	2401 4951 7499	5206 7753	8008	8263	5970 8517	$6225 \\ 8772$	3931 6480 9026	6734 9281	6989 9536	254 1 25
06 07 08 09 10	232	2335 4879 7421	0045 $2590$ $5133$ $7675$ $0215$	2844 5387 7929	3098 5641 8183	3353 5896	3607 6150 8691	3861 6404	$   \begin{array}{r}     \hline     1572 \\     4116 \\     6658 \\     9199 \\     \hline     1739   \end{array} $	4370 6912	4624 7166	2 51 3 76 4 102 5 127 6 152
1711 12 13 14 15	234	5038 7574 0108	2754 5291 7827 0362 2894	$5545 \\ 8081 \\ 0615$	5799 8334 0868	6052 8588 1122	6306 8841 1375	$\begin{array}{c} 9095 \\ 1628 \end{array}$	4277 6813 9348 1881 4414	$9601 \\ 2135$	7320 9855	7 178 8 203 9 229
16 17 18 19 20	235	7703 0232 2759	5426 7956 0484 3011 5537	$8209 \\ 0737 \\ 3264$	$8462 \\ 0990 \\ 3517$	8715 1243 3769	8967 1495 4022	$\begin{array}{c} 1748 \\ 4274 \end{array}$	6944 9473 2001 4527 7052	$\begin{array}{c} 2253 \\ 4779 \end{array}$	$\begin{array}{c} 2506 \\ 5032 \end{array}$	252 1 25 2 50
1721 22 23 24 25	236	0331 2853 5373	8061 0584 3105 5625 8143	0836 3357 5876	1088 3609 6128	1340 3861	1592 4113 6632	1844 4365 6884	9575 2097 4617 7136 9653	2349 4869 7387	5121 7639	3 76 4 101 5 126 6 151 7 176 8 202
26 27 28 29 30		2923 5437 7950	0660 3175 5689 8201 0712	$3426 \\ 5940 \\ -8452$	$3678 \\ 6191 \\ 8703$	3929 6443 8955	4181 6694 9206	4432 6945 9457	2169 4683 7196 9708 2218	4935 7448 9959	$\begin{array}{c} 5186 \\ 7699 \\ \hline 0210 \end{array}$	9 227
1731 32 33 34 35	239	5479 7986 0491	3222 5730 8236 0741 3245	5980 8487 0992	6231 $8737$ $1242$	6482	6732 9238 1743	9489	4727 7234 9739 2244 4747	7484 9990	$\overline{0240}$	250 1 25 2 50 3 75
36 37 38 39 40	240	7998 0498 2996	5747 8248 0748 3246 5742	8498 0997 3495	8748 1247 3745	8998 1497 3995	9248 $1747$ $4244$	9498 1997 4494	7248 9748 2247 4744 7239	9998 2496 4993		4 100 5 125 6 150 7 175 8 200 9 225
1741 42 43 44 45	241	0482 2974 5465	8237 0731 3223 5714 8203	0980 3472 5963	1229 $3721$ $6212$	1479 3970 6461	1728 4220 6710	1977 4469 6959	9734 2226 4718 7208 9696	2476 4967 7457	2725	
46 47 48 49		2929 5414 7898		3426 5911 8395	3675 6160 8643	3923 6408 8891	4172 6656 9139	4420 6905 9388		4917 7401 9884	$\begin{array}{c} 5166 \\ 7650 \\ \hline 0132 \end{array}$	
1750	243	0380	0629	0877	1125	1373	1621	1869	2117	2365	2613	

-			-		- Constant						
No.	0	1	2	3	4	5	6	7	8	9	Diff.
1750 51 52 53 54 55	5341	3109 5589 8067 0543	3357 5837 8315 0791	$3605 \\ 6085 \\ 8562$	3853 6332 8810 1286	6580 9058 1534	4349 6828 9305	2117 4597 7076 9553 2029 4503	4845 7324 9801	$5093 \\ 7571 \\ \hline 0048 \\ 2524$	247 1 25
56 57 58 59 60	7718 245 0189 2658 5127	2905 5373	8212 0683 3152 5620	8459 0930 3399 5867	8706 1177 3646 6114	8953 1424 3893 6360	1671 4140 6607	9448 1918 4386 6854	2165 4633 7100	9942 2411 4880 7347	2 49 3 74 4 99 5 124 6 148 7 173 8 198
1761 62 63 64 65 66	246 0059 2523 4986 7447	$7840$ $0306$ $2769$ $5232$ $7693$ $\overline{0153}$	0552 3016 5478 7939	0798 3262 5724 8185	3508 5970 8431	1291 3755 6217 8677	1538 $4001$ $6463$	$9320$ $1784$ $4247$ $6709$ $9169$ $\overline{1628}$	2030 4493 6955 9415	2277 4740 7201	9 222
67 68 69 70	247 2365	2611 5068 7524 9978	$\begin{array}{c} 2857 \\ 5314 \\ 7769 \\ \hline 0223 \end{array}$	3103 5559 8015		3594 6051	$   \begin{array}{r}     3840 \\     6296 \\     \underline{8751} \\     1205   \end{array} $	4086 6542 8997	$4331 \\ 6787 \\ 9242 \\ \hline 1695$	4577 7033 9487 1940	245 1 25 2 49 3 74
72 73 74 75 76	4637 7087 9536 249 1984	4882 7332 9781	$5127 \\ 7577 \\ \hline 0026 \\ 2473$	5372 7822	$5617 \\ 8067 \\ \hline 0515 \\ 2962$	$\begin{array}{r} 5862 \\ \underline{8312} \\ 0760 \\ 3207 \end{array}$		$6352 \\ 8802 \\ \hline 1249 \\ 3696$		6842 9291 1739 4185	4 98 5 123 6 147 7 172 8 196 9 221
77 78 79 80 1781	$\begin{array}{r} 6874 \\ \underline{9318} \\ 2501759 \\ 4200 \end{array}$	7119 9562	7363 9806 2248 4688	$\begin{array}{c} 7607 \\ \hline 0050 \\ 2492 \\ 4932 \end{array}$	$\begin{array}{c} 7852 \\ \hline 0294 \\ 2736 \\ 5176 \end{array}$	$\begin{array}{r} 8096 \\ \hline 0539 \\ 2980 \\ 5420 \\ \end{array}$	$\frac{8340}{0783} \\ \hline 3224 \\ 5664$	$\begin{array}{r} 8585 \\ \hline 1027 \\ 3468 \\ 5908 \end{array}$	$\begin{array}{r} 8829 \\ \hline 1271 \\ 3712 \\ 6151 \end{array}$	$\begin{array}{r} 9073 \\ \hline 1515 \\ 3956 \\ 6395 \end{array}$	
82 83 84 85	$9077 \\ 251 1513 \\ 3949 \\ 6382$	9321 1757 4192 6625	9564 2001 4435 6869	9808 2244 4679 7112	2488 4922 7355	0295 2731 5166 7599	0539 2975 5409 7842	8346 0783 3218 5652 8085	1026 3462 5896 8328	1270 3705 6139 8571	243 1 24 2 49 3 73 4 97
86 87 88 89 90	252 1246 3675 6103 8530	3918 6346 8773	1732 4161 6589 9016	1975 4404 6832 9258	2218 4647 7074 9501	4889 7317 9743	2703 5132 7560 9986	$\frac{7802}{0228}$	$\begin{array}{c} 3189 \\ 5618 \\ \underline{8045} \\ 0471 \end{array}$	$\frac{5861}{8288} \\ \hline 0713$	5 122 6 146 7 170 8 194 9 219
92 93 94 95	5803 8224 254 0645	3622 6045 8466 0886	3865 6287 8709 1128	4107 6529 8951 1370	$9193 \\ 1612$	4592 7014 9435 1854	7256 9677 2096	5076 7498 9919 2338	$\frac{7740}{0161} \\ 2580$	$\begin{array}{c} 7982 \\ \hline 0403 \\ 2822 \end{array}$	
96 97 98 99 1800	5481 7897 255 0312	3305 5722 8138 0553 2966	5964 8380 0794	$6206 \\ 8621 \\ 1036$	6447 8863 1277	6689 9104 1519	9346 1760	4756 7172 9587 2001 4414	$9829 \\ 2242$	$\frac{7655}{0070} \\ 2484$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1800 01 02 03 04 05	255 272 513 754 995 256 236 477	75378 $87789$ $70198$ $52606$	$\frac{8030}{0439}$ $2847$	$     \begin{array}{r}       5860 \\       8271 \\       \hline       0680 \\       3087     \end{array} $	$\begin{array}{c} 6102 \\ 8512 \end{array}$	$\frac{8753}{1161}$	$6584 \\ 8994 \\ \hline 1402 \\ 3810$	$6825 \\ 9235 \\ \hline 1643$	$\frac{9475}{1884}$ $4291$	$7307 \\ \underline{9716} \\ \underline{2125}$	
06 07 08 09 10	257 198 438 678	2 9822 4 2224 6 4626	2465 4866 7266	0302 $2705$ $5106$ $7506$	2945 5346 7745	3185 5586 7985	$\frac{\overline{1023}}{3425}$	3665 6066 8465		1744 4146	240 1 24 2 48 3 72 4 96 5 120
12 13 14 15	258 1589 3973 6373 8760	2 1822 8 4218 3 6612 3 9006	2061 4457 6852 9245	2301 4697 7091 9484	2541 4936 7330 9723	2780 5176 7570 9963	$   \begin{array}{r}     3020 \\     5415 \\     7809 \\     \hline     0202   \end{array} $	$   \begin{array}{r}     3259 \\     5655 \\     \underline{8048} \\     \hline     0441   \end{array} $	$   \begin{array}{r}     3499 \\     5894 \\     8288 \\     \hline     0680   \end{array} $	3738 $6133$ $8527$ $0919$	5 120 6 144 7 168 8 192 9 216
16 17 18 19 20	8327 260 0714	9 3788 9 6178 7 8566 4 0952	8804 1191	4266 6655 9043 1430	6894 9282 1668	4744 7133 9521 1907	4983 7372 9759 2145	7611 9998 2384	$\begin{array}{c} \overline{0237} \\ 2622 \end{array}$	$5700 \\ 8088 \\ \hline 0475 \\ 2861$	
1821 22 23 24 25	7867 261 0248 2629	\$ 5722 7 8105 8 0486 9 2867	5960 8343 0725 3105	8581 0963 3343	6437 8820 1201 3580	6675 9058 1439 3818	1677 4056	7152 9534 1915 4294	7390 9772 2153 4532	2391 4770	238 1 24
26 27 28 29 30	7385 9762 262 2137 4511	2374 4748	$\begin{array}{r} 7861 \\ \hline 0237 \\ 2612 \\ 4986 \end{array}$	0475 $2849$ $5223$	3087 5460	3324 5697	$\frac{8811}{1187}$ 3562 5935		$\frac{9287}{1662}$	$7148 \\ \underline{9524} \\ \overline{1900} \\ 4274 \\ 6646$	2 48 3 71 4 95 5 119 6 143 7 167
1831 32 33 34 35	263 1625 3993	9492	9729 2098 4467	9966 2335 4704	2572	0440 2809 5177 7544	0677 3046 5414 7780	3283 5651 8017	8254		8 190 9 214
36 37 38 39 40	264 1092 3455 5817	8963 1328 3691 6053 8414	1564 3928 6290	1801 4164 6526	2037 4400	2273 4636 6998	0146 2510 4873 7234 9594	2746 5109 7470	5345 7706	$     \begin{array}{r}       \hline       0855 \\       3219 \\       5581 \\       7942 \\       \hline       0302     \end{array} $	236 1 24
1841 42 43 44 45	5253 7609	3132 5489 7845	3368 5725 8080	3604 5960 8316	3839	4075 6431 8787	4311 6667 9022		4782 7138 9493	$ \begin{array}{c} 2660 \\ 5018 \\ 7374 \\ \underline{9728} \\ 2082 \end{array} $	2 47 3 71 4 94 5 118 6 142 7 165
46 47 48 49 1850	7020	4904 7255 9604	5139 7490 9839	5374 $7725$ $0074$	0309	$   \begin{array}{r}     5844 \\     8195 \\     \hline     0543   \end{array} $	$\frac{6080}{8429} \\ \hline 0778$	$6315 \\ 8664 \\ \hline 1013$	$4199 \\ 6550 \\ 8899 \\ \hline 1248 \\ 3595$	$\frac{6785}{9134} \\ \hline 1483$	8 189 9 212

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1850 51 52 53 54 55	6410 8754 2681097	4299 6644 8989	4533 6879 9223 1566	4768 7113	5003 7348 9692 2034	2268			$5941 \\ \underline{8285} \\ 0629 \\ 2971$	$\frac{6175}{8520} \\ \hline 0863$	234
56 57 58 59 60	8119 269 0457 2794 5129	3028 5363	8587 0925 3261 5596	8821 1158 3495 5830	9054 1392 3728 6063	9288 1626 3962 6297	1859 4195 6530	9756 2093 4429 6764	9990 2327 4662 6997	$     \begin{array}{r}       \hline       0223 \\       2560 \\       4896 \\       7230     \end{array} $	2 47 3 70 4 94 5 117 6 140 7 164 8 187
1861 62 63 64 65 66	270 2129 4459 6788	0030	2595 4925 7254	0496 2828 5158 7487	$     \begin{array}{r}       0730 \\       3061 \\       5391 \\       7720     \end{array} $	3294 $5624$ $7953$	1196 3527 5857 8185	$\overline{1429}$ $3760$ $6090$	1662 3993 6323 8651	$\overline{1895}$ $4226$ $6555$	9 211
67 68 69 70	271 1443 3769 6093	1676 4001 6325 8648	1908 4234 6558 8881	2141 $4466$ $6790$	2374 4699 7022 9345	2606 4931 7255 9577	2839 5163 7487	3071 $5396$ $7719$ $0041$	3304 5628 7952	$\begin{array}{c} 3536 \\ 5861 \\ \underline{8184} \\ 0506 \end{array}$	232
72 73 74 75	3058 5378 7696 273 0013	3290 5610 7928	3522 5841 8159 0476	3754 6073 8391 0708	3986 6305 8623	4218 6537 8854 1171	$\begin{array}{c} 4450 \\ 6769 \end{array}$	4682 7001 9318	$\begin{array}{c} 4914 \\ 7232 \end{array}$	5146 7464 9781 2097	2 46 3 70 4 93 5 116 6 139 7 162
77 78 79 80 1881	4643 6956 9268 274 1578	4874 7187 9499	5105 7418 9730 2040	5337 7650 9961 2271	$\begin{array}{c} 5568 \\ 7881 \\ \hline 0192 \end{array}$	$5799 \\ 8112 \\ \hline 0423 \\ 2733$	$6031 \\ \underline{8343} \\ \overline{0654}$	$6262 \\ \underline{8574} \\ 0885 \\ 3195$	$6493 \\ 8806 \\ \hline 1116$	$6725 \\ 9037 \\ \hline 1347 \\ 3657$	8 186 9 209
82 83 84 85 86	6196 8503 275 0809 3114	6427 8734	6658 8964 1270 3574	6888 9195 1500 3805	7119 9426 1731 4035	7350 9656 1961 4265	7581 9887 2192 4496	$     \begin{array}{r}       7811 \\       \hline       0117 \\       2422 \\       4726 \\       \hline       7028     \end{array} $	$\begin{array}{r} 8042 \\ \hline 0348 \\ 2653 \\ 4956 \end{array}$	$\frac{8273}{0578} \\ 2883$	
87 88 89 90 1891	7719 276 0020 2320 4618	7949	8179 0480 2779 5078	$8409 \\ 0710 \\ 3009$	8640 0940 3239 5537	8870, 1170 3469 5767	9100 1400 3699	9330 1630 3929 6226 8523	$9560 \\ 1860 \\ 4158$	9790 2090 4388	230
92 93 94 95 96	9211 277 1506 3800 6092	9441	9670 1965 4258 6550	9900 2194 4488 6780	0129 2424 4717 7009	$   \begin{array}{r}     \hline       0359 \\       2653 \\       4946 \\       7238   \end{array} $	0588 2882 5175 7467 9757	0818 3112 5405 7696	$\frac{\overline{1047}}{3341}$	1277 3570 5863 8154	2 46 3 69 4 92 5 115 6 138 7 161 8 184
97 98 99 1900	278 0673 2962 5250		1131 $3420$ $5707$	$1360 \\ 3648 \\ 5936$	1589 3877 6164	1818 4106 6393	2047 $4335$ $6622$		2504 4792 7079	2733 5021 7307	9 207

E

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1900	278 7536	7765		8222	8450	8679		9136		9593	
01		0050			0735	0963	$\overline{1192}$	$\overline{1420}$		1877	
02	279 2105	2333		2790	3018	3247		3703		4160	
03	6669	4616 6898		5072 7354	$5301 \\ 7582$	5529 7810	5757 8038	5985 8266	6213 8494	$6441 \\ 8722$	000
05	8950	9178		9634		$\frac{7810}{0090}$	$\frac{3038}{0317}$	$\frac{5200}{0545}$	$\frac{6494}{0773}$	$\frac{3722}{1001}$	228
06	280 1 229	1457		1912		2368	2596	2824	3051	3279	2 46
07	3507	3735			2140 4418	2368 4645	4873	5101	5328	5556	3 68
08		6011					7149	7377	7604	7832	4 91 5 114
09		8287			8969	9197	9424	9651		0106	5 114 6 137
10	281 0334	0561	0788	1016	1243	1470	1698	1925	2152	2380	7 160
1911	2607	2834	3061	3289	3516	3743	3970	4197	4425	4652	8 182
12	4879	5106	5333	5560	5787	6014	6242	6469	6696	6923	9 205
13		7377	7604	7831	8058		8512	8739		9192	227
14	9419	9646		0100	0327	0554		1007	1234	1461	1 23
15	282 1688	1915	2141	2368	2595	2822	3048	3275	3502	3728	2 45
16	3955	4182		4635	4862	5088	5315	5541	5768	5995	3 68
17		6448						$\frac{7807}{1000}$	8033	8260	4 91 5 114
18	283 0750	8712		9165 1429	$9392 \\ 1655$			$0071 \\ 2334$	0297	0523	6 136
20	3012		3465	3691	3917				4821		7 159
											8 182 9 204
1921	5274 7534		5726 7986	5952 8212	6178	6404	0000	6856	7082	7308	9 204
23	9793	$\frac{7760}{0019}$	$\frac{7980}{0245}$	$\frac{6212}{0470}$	$\frac{8438}{0696}$	$\frac{8663}{0922}$	$\frac{8889}{1148}$	$\frac{9115}{1373}$	$\frac{9341}{1599}$	$\frac{9567}{1825}$	226
24	284 2051	2276	2502	2728				3630			1 23
25	4307		4759	4984	5210	5435		5886		6337	2 45 3 68
26	6563	6788	7014	7239	7465	7690	7916	8141	8366	8592	4 90
27	8817		9268		9719		$\overline{0169}$		$\frac{0620}{0620}$	$\frac{0845}{0845}$	5 113
28	285 1070	1296	1521	1746	1971	2196	2422	2647	2872	3097	6 136 7 158
29	3322	3547			4223		4673		5123		8 181
30	5573	5798	6023	6248	6473	6698	6923	7148	7373	7598	9 203
1931		8048		8497	8722	8947		9397	9622	9846	
32	286 0071				0970	1195		1644			225
33	2319	2543 4789	2768		3217	3442 5687		3891			1 23 2 45
35		7034		7483	5463 7707	7932	5912 8156	6136	8605	8829	3 68
36											4 90 5 113
37	287 1296	9278		$9726 \\ 1969$	$9951 \\ 2193$	$0175 \\ 2417$	0399	$\begin{array}{c} \overline{0624} \\ 2865 \end{array}$	$\frac{0848}{3090}$	$\frac{1072}{3314}$	6 135
38		3762			4434		4882		5330		7 158 8 180
39					6674		7122	7346		7793	9 203
40	8017			8689				9584			
1941	288 0255	0479	0703	0927	1150	1374	1598	1821	2045	2269	224
42	2492			3163	3387			4057			1 22 2 45
43		4952		5399	5622	5845	6069	6292	6516	6739	3 67
44	6963			7633	$\frac{7856}{1}$	8079	8303	8526	8749	8973	4 90
45		9419		9866	0089	0312	0536	0759	0982	1205	5 112
46	289 1428			2098	2321	2544	2767	2990	3213	3436	6 134 7 157
47		3883			4552	4775	4998	5221			8 179
48		6112				7004		7450	7673	7896	9 202
1950	290 0346	8341				9232	9455	9678 1905	9901		
1330	230 0340	0000	0 ( 3 2	1014	1201	1400	1002	1909	2127	2300	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
1950 51 52 53 54 55		2795 5021 7245 9468	5243 7467 9690	1014 3240 5466 7690 9912 2134	3463			6355 8579			222
56 57 58 59 60 1961	5908 8127 <b>292</b> 0344 2561	3911 6130 8349 0566 2782 4997	6352 8570 0788	6574 8792 1009	6796		9458 1674 3890	5242 7461 9679 1896 4111 6326	9901 2118 4333		2 44 3 67 4 89 5 111 6 133 7 155 8 178 9 200
62 63 64 65 66	6990 9203 <b>293 141</b> 5 3626 5835	7211 9424 1636 3847 6056	7433 9645 1857 4068 6277	7654 9867 2078 4289 6498	$   \begin{array}{r}     7875 \\     \hline     0088 \\     2299 \\     4510 \\     6719   \end{array} $	2520 4730 6940	2741 4951 7160	5172 7381	3183 5393 7602	5614 7823	221 1 22 2 44 3 66
67 68 69 70 1971 72	294 0251 2457 4662 6866	2678	0692 2898 5103 7307	3119 5324 7527	1134 3339 5544 7748	1354 3560 5764 7968	1575 3780 5985 8188	9589  1795  4001  6205  8408  0610	2016 4221 6426 8629	2237 4442 6646 8849	4 88 5 111 6 133 7 155 8 177 9 199
73 74 75 76 77	295 1271 3471 5671	1491 3691 5891 8089	1711 3911 6111 8309	1931 4131 6331 8529	2151 4351 6550 8748	2371 4571 6770 8968		2811 5011 7210 9408		3251 5451 7650 9847	220 1 22 2 44 3 66 4 88
78 79 80 1981 82	2263 4458	2482 4677 6871 9064	2702 4897 7091 9283	2922 5116 7310 9502	3141 5336 7529 9722	3361 5555 7748	3580 $5774$ $7968$ $0160$	3800 5994 8187	$4019 \\ 6213 \\ 8406 \\ \hline 0598$	4238 6433 8626	5 110 6 132 7 154 8 176 9 198
83 84 85 86	3227 5417 7608 9792 298 1979	$\begin{array}{c} 3446 \\ 5636 \\ 7824 \\ \hline 0011 \end{array}$	$     \begin{array}{r}       3665 \\       5854 \\       8043 \\       \hline       0230     \end{array} $	$3884$ $6073$ $8261$ $\overline{0448}$	$4103 \\ 6292 \\ 8480 \\ \hline 0667$	$   \begin{array}{r}     4322 \\     6511 \\     8699 \\     \hline     0886   \end{array} $	$4541 \\ 6730 \\ 8918 \\ \hline 1104$	4760 6949 9136	$4979$ $7168$ $9355$ $\overline{1542}$ $3727$	5198 7386 9574 1760 3945	219 1 22 2 44 3 66 4 88 5 110
87 88 89 90 1991	4164 6348 8531 299 0713	4382 3 6566 1 8749 3 0931	4601 6785 8967 1149	4819 7003 9185 1367	5038 7221 9404 1585	5256 7439 9622 1803	5474 7658 9840 2021	$5693 \\ 7876 \\ \hline 0058 \\ 2239$	$5911 \\ 8094 \\ \hline 0276 \\ 2457$	$6129 \\ 8313 \\ \hline 0494 \\ 2675$	6 131 7 153 8 175 9 197
92 93 94 95	2893 5073 7253 9423 300 1603	3 5291 2 7469 9 9647 5 1823	9864 2041	$5727 \\ 7905 \\ \hline 0082 \\ 2258$	$5945 \\ 8123 \\ \hline 0300 \\ 2476$	$\frac{8340}{0517}$ $2693$	$6380 \\ 8558 \\ \hline 0735 \\ 2911$	$\frac{\overline{0953}}{3128}$	$6816 \\ 8994 \\ \hline 1170 \\ 3346$	$\frac{9211}{1388}$ $3563$	218 1 22 2 44 3 65 4 87 5 109
97 98 99 2000	378: 595: 812: 301 030	5 6172 8 8345		6607 8780	6824 8997	7042 9214	9431	7476	7693 9866	$\overline{0083}$	6 131 7 153 8 174 9 196

No.		0	1	2	3	4	5	6	7-	8	9	Diff.
2000 01 02 03 04 05			0517 2688 4858 7026 9194 1360	2905 5075 7243 9411	3122 5291	3339	3556 5725	3773	1820 3990 6159 8327 0494 2660	4207 6376 8544	$4424 \\ 6593 \\ \underline{8760} \\ 0927$	217 1 22 2 43 3 65 4 87 5 109
06 07 08 09 10 2011		3309 5474 7637 9799 1961	3526 5690 7853	$\begin{array}{c} 3742 \\ 5906 \\ 8070 \\ \hline 0232 \\ 2393 \end{array}$	$\begin{array}{c} 3959 \\ 6123 \\ \underline{8286} \\ 0448 \\ 2609 \end{array}$	4175	$4392 \\ 6556 \\ 8718 \\ \hline 0880$	4608	$\begin{array}{c} 4825 \\ 6988 \\ \underline{9151} \\ \hline 1312 \\ 3473 \\ 5632 \end{array}$	5041 7204 9367 1528 3689	5257	6 130 7 152 8 174 9 195 216 1 22 2 43
12 13 14 15 16*		6280 8438 0595 2751 4905	6496 8653 0810 2966 5121	6711 8869 1026 3182 5336	6927 9085 1242 3397 5552	7143 9301 1457 3613 5767	7359 9516 1673 3828 5982	7575 9732 1888 4043 6198	7790 9948 2104 4259 6413	$\begin{array}{c} 8006 \\ \hline 0163 \\ 2319 \\ 4474 \\ 6628 \end{array}$	$\begin{array}{c} 8222 \\ \hline 0379 \\ 2535 \\ 4690 \\ 6844 \end{array}$	3 65 4 86 5 108 6 130 7 151 8 173
17 18 19 20 2021 2221	305	9212 1363 3514	7274 9427 1578 3729 5878 8026	9642 1793 3944	9857 2008 4159 6308	$     \begin{array}{r}       7920 \\       \hline       0072 \\       2224 \\       \hline       4374 \\       \hline       6523 \\       8671 \\    \end{array} $	$\begin{array}{c} \overline{0288} \\ 2439 \end{array}$	$\begin{array}{c} \overline{0503} \\ 2654 \end{array}$	8566 0718 2869 5018 7167	0933 3084 5233 7382	1148 3299 5448 7597	9 194 215 1 22 2 43 3 65
23 24 25 26 27	306	9959 2105 4250 6394	$     \begin{array}{r}                                     $	0388 2534 4679 6823	0603 2749 4894 7037	0817 2963 5108 7252	1032 3178 5322 7466	1247 3392 5537 7680		3821 5966 8109	9744 $1891$ $4036$ $6180$ $8323$ $0465$	4 86 5 108 6 129 7 151 8 172 9 194
28 29 30 2031 32	307	0680 2820 4960 7099	$0894 \\ 3035$	1108 3249 5388 7527	1322 3463 5602 7741	1536 3677 5816 7954	1750 3891 6030 8168	1964 4105 6244 8382	2178	2392 4532 6672 8810		214 1 21 2 43 3 64 4 86 5 107
33 34 35 36 37	308	5644 7778	3723	3936 6071 8204	6284 8418	4363 6498 8631	2442 4577 6711 8844	2655	2869 $5004$ $7138$ $9271$ $1402$	3082 5217 7351	3296 5431 7564	6 128 7 150 8 171 9 193
38 39 40 2041 42		8430 0557	4385 6515 8643 0770	4598 6727 8856 0983	9068 1195	5024 7153 9281 1408	5237 7366 9494 1621	5450 7579 9707 1833	3533 5663 7792 9919 2046	$8004 \\ \hline 0132 \\ 2258$	$6089 \\ 8217 \\ \hline 0345 \\ 2471$	213 1 21 2 43 3 64 4 85 5 107
43 44 45 46 47 48	311	4809 6933 9056	2896 5021 7145 9269 1391 3512	5234 7358 9481 1603	5446 7570 9693 1815	7783 9905 2027	5871 $7995$ $0117$ $2239$	$8207 \\ \hline 0330 \\ 2451$	4171 6296 8419 0542 2663 4784	$8632 \\ \hline 0754 \\ 2875$	6721 8844 0966 3087	6 128 7 149 8 170 9 192
49 2050		5420		5843	6055	6267	6479	6691	6903 9021	7115	7327	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2050 51 52 53 54 55	312 1774 3889 6004	9868	2197 4313 6427	0292 $2408$ $4524$	2620 4736	8598 0715 2832 4947 7061 9175	8810 0927 3043 5159 7273 9386	9021 1139 3255 5370 7484 9597	5581	$\begin{array}{r} 9445 \\ \hline 1562 \\ 3678 \\ 5793 \\ \hline 7907 \\ \hline 0020 \\ \end{array}$	211
56 57 58 59 60	4454 6563 8672	2554 4665 6774 8883	2765 4876 6985 9094	2976 5087 7196 9305	7407 9515	5509 7618 9726	7829 9937	$   \begin{array}{r}     3821 \\     5931 \\     \underline{8040} \\     \hline     0148   \end{array} $	$\frac{8251}{0358}$	$4243 \\ 6353 \\ \underline{8461} \\ 0569$	1 21 2 42 3 63 4 84 5 106 6 127 7 148
2061 62 63 64 65 66	314 0780 2887 4992 7097 9201 315 1303	3097 5203 7307 9411	7518 9621	5624 7728	$   \begin{array}{c}     1623 \\     3729 \\     5834 \\     7939 \\     \hline     0042 \\     2144   \end{array} $	3940		$   \begin{array}{r}     2255 \\     4361 \\     6466 \\     \underline{8570} \\     \overline{0672} \\     2774   \end{array} $	$\begin{array}{c} 4571 \\ 6676 \end{array}$		8 169 9 190 210
67 68 69 70 2071	3405 5505 7605	3615 5715 7815 9913	$   \begin{array}{r}     3825 \\     5925 \\     8025 \\     \hline     0123   \end{array} $	4035	4245	4455		4875 6975 9074 1172 3269	5085	5295 7395 9494 1591 3688	1 21 2 42 3 63 4 84 5 105 6 126 7 147
72 73 74 75 76	5993 8088 317 0181 2273	2483	6412 8506 0600 2692	2901	6831 8925 1018 3110	9134 1227 3319	5155 7250 9344 1437 3528	5364 7459 9553 1646 3738	5574 7669 9762 1855 3947	4156	8 168 9 189 209 1 21
77 78 79 80 2081	6455 8545 318 0633 2721	2929	6873 8963 1051 3138	3347	7291 9380 1468 3556	3764	9798 1886 3973	$\begin{array}{c} 7918 \\ \hline 0007 \\ 2095 \\ 4181 \end{array}$	4390	2512 4599	2 42 3 63 4 84 5 105 6 125 7 146
82 83 84 85 86 87	319 1061 3143	7101 9186	1477	7518	5642 7727 9811 1894 3976	$\frac{7935}{0019}$ $2102$	2310 4392	$\begin{array}{c} 8352 \\ \hline 0436 \\ 2518 \\ 4600 \end{array}$		$\begin{array}{r} 8769 \\ \hline 0852 \\ 2935 \\ 5016 \end{array}$	8 167 9 188 208 1 21 2 42 3 62
88 89 90 2091	7305 9384 320 1463	7513 9592	7721 9800 1878 3956	$\begin{array}{c} 7929 \\ \hline 0008 \\ 2086 \end{array}$	$\begin{array}{c} 8137 \\ \hline 0216 \\ 2294 \\ 4371 \end{array}$	$\frac{8345}{0424}$	$\begin{array}{r} 8553 \\ \hline 0632 \\ 2709 \\ 4786 \end{array}$	8761 0839 2917 4994	$\frac{8969}{1047}$ $3125$	$\frac{9176}{1255}$ $\frac{3333}{5409}$	3 62 4 83 5 104 6 125 7 146 8 166 9 187
93 94 95 96 97	7692 9767 3211840 3913		$\begin{array}{c} 8107 \\ \hline 0182 \\ 2255 \\ 4327 \end{array}$	$\begin{array}{c} 8315 \\ \hline 0389 \\ 2462 \\ 4534 \end{array}$	$\frac{8522}{0596} \\ 2669$	$     \begin{array}{r}       8730 \\       \hline       0804 \\       2877 \\       \hline       4949 \\       7020     \end{array} $			$\frac{9352}{1426}$ $\frac{3498}{3498}$	$\frac{9559}{1633}$ $\frac{3706}{5777}$	201
98 99 2100	8055 322 0124	8262	8469 0538	8676 0745	8883 0952	9090 1159	9297 1366	9504 1572 3640	9711 1779	9917 1986	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
2100 01 02 03 04 05		4261 6327 8393 0457	2400 4467 6534 8599 0664 2727	4674 6740 8806 0870	4881 6947 9012 1077	5087		7567 $9632$ $1696$	5707 7773	$\begin{array}{c} 7980 \\ \hline 0045 \\ 2108 \end{array}$	$\begin{array}{c} 8186 \\ \hline 0251 \\ 2315 \end{array}$	
06 07 08 09 10	324	6645 8706 0766 2825	3030	7058 9118 1178 3236	7264 9324 1384 3442	7470 9530 1589 3648	7676 9736 1795 3854	9942 2001 4059	$\begin{array}{c} 8088 \\ \hline 0148 \\ 2207 \\ 4265 \end{array}$	$     \begin{array}{r}       03\overline{54} \\       2413 \\       4471     \end{array} $	$\begin{array}{r} 8500 \\ \hline 0560 \\ 2619 \\ 4677 \end{array}$	206 1 21 2 41 3 62
2111 12 13 14 15	325	6939 8995 1050 3104	5088 7145 9201 1255 3309 5362	7350 9406 1461 3514	7556 9612 1666 3720	5705 7762 9817 1872 3925 5978	$\begin{array}{r} 7967 \\ \hline 0023 \\ 2077 \\ 4130 \end{array}$	$6117 \\ 8173 \\ \hline 0228 \\ 2282 \\ 4336 \\ 6388$	$8378 \over 0433 \\ 2488 \\ 4541$	$\begin{array}{c} \overline{0639} \\ 2693 \end{array}$	2898 4951	4 82 5 103 6 124 7 144 8 165 9 185
17 18 19 20 2121	326	7209 9260 1310 3359	7414 9465	7619 9670 1719 3768	7824 9875 1924 3973	$\begin{array}{c} 8029 \\ \hline 0080 \\ 2129 \end{array}$	$\begin{array}{r} 8234 \\ \hline 0285 \\ 2334 \\ 4383 \end{array}$	$\begin{array}{r} 8439 \\ \hline 0490 \\ 2539 \end{array}$	$\frac{8644}{0695}$	$\begin{array}{r} 8849 \\ \hline 0900 \\ 2949 \\ 4997 \end{array}$	$\frac{9055}{1105} \\ 3154$	205 1 21 2 41 3 62
22 23 24 25 26	327	7454 9500 1545 3589	7658 9705 1750 3794 5837	7863 9909 1954 3998	$\begin{array}{r} 8068 \\ \hline 0114 \\ 2158 \\ 4202 \end{array}$	$\begin{array}{r} 8272 \\ \hline 0318 \\ 2363 \\ 4407 \end{array}$	$\begin{array}{r} 8477 \\ \hline 0523 \\ 2567 \\ 4611 \end{array}$	$\begin{array}{r} 8682 \\ \hline 0727 \\ 2772 \\ 4815 \end{array}$	$\frac{8886}{0932}$ $2976$	$\begin{array}{c} 9091 \\ \hline 1136 \\ 3181 \\ 5224 \end{array}$	$\overline{1341}$ $3385$ $5428$	4 82 5 103 6 123 7 144 8 164 9 185
27 28 29 30 2131	328	9716 1757 3796	7879 9920 1961 4000 6038	0124 $2165$ $4204$	0328 $2369$ $4408$	2572 4612	0737 $2776$ $4815$	$   \begin{array}{r}     8900 \\     \hline     0941 \\     2980 \\     5019 \\     7057   \end{array} $	5223	$9308$ $\overline{1349}$ $3388$ $5427$ $7465$	$ \begin{array}{r} \overline{1553} \\ 3592 \\ 5631 \end{array} $	204 1 20 2 41 3 61
32 33 34 35	329	7872 9909 1944 3979	$\begin{array}{c} 8076 \\ \hline 0112 \\ 2148 \\ 4182 \end{array}$	$\begin{array}{r} 8279 \\ \hline 0316 \\ 2351 \\ 4386 \end{array}$	$\begin{array}{r} 8483 \\ \hline 0519 \\ 2555 \\ 4589 \end{array}$	$\begin{array}{r} 8687 \\ \hline 0723 \\ 2758 \\ 4792 \end{array}$	$\begin{array}{r} 8890 \\ \hline 0926 \\ 2962 \\ 4996 \end{array}$	$\begin{array}{c} 9094 \\ \hline 1130 \\ 3165 \\ 5199 \end{array}$	$\begin{array}{r} 9298 \\ \hline 1334 \\ 3369 \\ 5402 \end{array}$	$\begin{array}{r} 9501 \\ \hline 1537 \\ 3572 \\ 5606 \end{array}$	$\begin{array}{r} 9705 \\ \hline 1741 \\ 3775 \\ 5809 \end{array}$	4 82 5 102 6 122 7 143 8 163 9 184
36 37 38 39 40	330	8045 0077 2108 4138	4341	8452 0483 2514 4544	8655 0686 2717 4747	0889 2920 4949	9061 1093 3123 5152	1296 3326 5355		9671 1702 3732 5761	3935 5964	203 1 20 2 41
2141 42 43 44 45	331	8195 0222 2248 4273	6370 8397 0424 2450 4475	8600 0627 2653 4678	8803 0830 2855 4880	9006 1032 3058 5083	9208 1235 3261 5285	9411 1437 3463 5488	3666 5690	9816 1843 3868 5892	2045 4070 6095	3 61 4 81 5 102 6 122 7 142 8 162
46 47 48 49 2150	332	8320 80343 2364	6500 8523 0545 2566 4587	8725 0747 2768	8927 0949 2970	9129 1151 3172	9332 1354 3374	9534 1556 3577	7714 9736 1758 3779 5798	9938 1960 3981	2162 4183	9 183

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2150 51 52 53 54	$\begin{array}{r} 8423 \\ 3330440 \\ 2457 \end{array}$	$0642 \\ 2659$	6808 8826 0844 2860	$\begin{array}{c} 1045 \\ 3062 \end{array}$	5193 7212 9230 1247 3263	9432 $1449$ $3465$	7615 9633 1650 3667	$9835 \\ 1852 \\ 3868$		$2255 \\ 4271$	202 1 20 2 40 3 61 4 81 5 101
55 56 57 58 59 60	$3340514\\2526$	6689 8703	6890 8904 0917 2929	5077 7092 9105 1118 3130 5141		$\begin{array}{c} 1521 \\ 3532 \end{array}$	5682 7696 9709 1722 3733 5744	3934	$\begin{array}{c} 8099 \\ \hline 0112 \\ 2124 \\ 4135 \end{array}$	4336	6 121 7 141 8 162 9 182 201
2161 62 63 64 65	8557 335 0565 2573 4579	8758 0766 2773 4780	8959 0967 2974 4980	7151 9159 1168 3175 5181	7351 9360 1368 3375 5381	7552 9561 1569 3576 5582	1770 3777 5782	7954 9963 1970 3977 5983	$\overline{0164}$	$\begin{array}{r} 8356 \\ \hline 0364 \\ 2372 \\ 4378 \\ 6384 \end{array}$	1 20 2 40 3 60 4 80 5 101 6 121 7 141
66 67 68 69 70	8589 336 0593 2596 4597	8790 0793 2796 4797	2996 4998	9190 1194 3196 5198	1394 3396 5398	1594 3597 5598	7787 9791 1795 3797 5798	1995 3997 5998		2395 4397 6398	8 161 9 181
2171 72 73 74 75	8598 337 0597 2595 4593	8798 0797 2795 4792	8998 0997 2995 4992	7198 9198 1197 3195 5192	7398 9398 1397 3394 5391	3594 5591	1796 3794 5791	3994 5990	2196 4193 6190	2396 4393 6389	200 1 20 2 40 3 60 4 80 5 100
76 77 78 79 80	338 0579 2572	8784 0778 2772 4764				7587 9582 1576 3569 5561 7552	7786 9781 1775 3768 5760 7751	1974 3967	4166	2373 4366 6358	6 120 7 140 8 160 9 180
2181 82 83 84 85	8547 339 0537 2526 4514	$8746 \\ 0736 \\ 2725$	8946 0935 2924 4912	9145 1134 3123	9344	9543 1532 3520 5508	9742 1731 3719	9940 1930 3918		2327 4316	199 1 20 2 40 3 60 4 80 5 100
86 87 88 89 90 2191	8488 340 0473 2458 4441	8686 0672 2656 4639	8885 0870 2854	9084 1069 3053 5036	9282 1267 3251 5234	9481 1466 3449 5433	9679 1664 3648 5631	9878 1862 3846	0076 2061 4045 6027	0275 2259 4243 6226	6 119 7 139 8 159 9 179
92 93 94 95 96	8405 341 0386 2366 4345	8604 0584 2564 4543	8802 0782 2762 4741	9000		9396 1376 3356	9594 1574 3554 5532	$9792 \\ 1772$	9990 1970	0188 2168 4147 6126	198 1 20 2 40 3 59 4 79
96 97 98 99 2200	8301 342 0277 2252	8498 0474 2450	8696	8894 0870 2845	9091 1067 3042	9289 $1265$ $3240$	9486	9684 $1660$ $3635$	9882 1857 3832	0079 $2055$ $4029$	5 99 6 119 7 139 8 158 9 178

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2200 01 02 03 04 05	8173 343 0145 2116	6398 8370	6595 8568 0539 2510	8765 0736 2707	6990 8962 0933	9159 1131 3101	7384 9356 1328 3298	5608 7581 9554 1525 3495 5464	7779 9751 1722 3692	7976 9948 1919	197
06 07 08 09 10	8023 9991 344 1957 3923	4119	$\begin{array}{r} 8417 \\ \hline 0384 \\ 2350 \\ 4316 \end{array}$	2547 4512	$\frac{8810}{0777}$	7039 $9007$ $0974$ $2940$	$7236 \\ 9204 \\ \hline 1171 \\ 3137$		$7630 \\ 9597 \\ \hline 1564 \\ 3530$	$7827 \\ \underline{9794} \\ 1761 \\ 3726$	2 39 3 59 4 79 5 99 6 118 7 138
2211 12 13 14 15	7851 9814 345 1776 3737	3933	$\begin{array}{r} 8244 \\ \hline 0207 \\ 2168 \\ 4129 \end{array}$	$\begin{array}{r} 8440 \\ \hline 0403 \\ 2365 \\ 4325 \end{array}$	$     \begin{array}{r}       \hline       0599 \\       2561 \\       4522     \end{array} $	$\overline{0795}$ $2757$ $4718$	0991 2953 4914	$7262 \\ 9225 \\ \hline 1188 \\ 3149 \\ 5110$	1384 3345 5306	3541 5502	9 177 196 1 20
16 17 18 19 20		7853 9811 1769 3725	$\begin{array}{r} 8049 \\ \hline 0007 \\ 1964 \\ 3921 \end{array}$		$\begin{array}{r} 8440 \\ \hline 0399 \\ 2356 \\ 4312 \end{array}$	$\begin{array}{r} 8636 \\ \hline 0594 \\ 2551 \\ 4508 \end{array}$	$\begin{array}{r} 8832 \\ \hline 0790 \\ 2747 \\ 4703 \end{array}$	$7069 \\ \underline{9028} \\ \overline{0986} \\ 2943 \\ 4899$	$\begin{array}{c} 9224 \\ \hline 1182 \\ 3138 \\ 5094 \end{array}$	1377 3334 5290	2 39 3 59 4 78 5 98 6 118 7 137
2221 22 23 24 25	7441 9395 347 1348 3300	3495	7831 9785 1738 3691	8027 9981 1934 3886	$\begin{array}{c} 8222 \\ \hline 0176 \\ 2129 \\ 4081 \end{array}$	$\begin{array}{r} 8418 \\ \hline 0371 \\ 2324 \\ 4276 \end{array}$	$\begin{array}{r} 8613 \\ \hline 0567 \\ 2519 \\ 4471 \end{array}$	$6854 \\ 8808 \\ \hline 0762 \\ 2715 \\ 4666$	$\begin{array}{r} 9004 \\ \hline 0957 \\ 2910 \\ 4861 \end{array}$	$\begin{array}{c} 9199 \\ \hline 1153 \\ 3105 \\ 5056 \end{array}$	8 15
26 27 28 29 30	7202 9152 348 1101 3049	3243	7592 9542- 1490 3438	7787 9737 1685 3633	7982 9931 1880 3828	$\begin{array}{r} 8177 \\ \hline 0126 \\ 2075 \\ 4022 \end{array}$	$\begin{array}{r} 8372 \\ \hline 0321 \\ 2270 \\ 4217 \end{array}$	$6617 \\ \underline{8567} \\ 0516 \\ 2464 \\ 4412$	$\begin{array}{r} 8762 \\ \hline 0711 \\ 2659 \\ 4606 \end{array}$	$\begin{array}{r} 8957 \\ \hline 0906 \\ 2854 \\ 4801 \end{array}$	195 1 20 2 39 3 59 4 78 5 98
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36 37 38 39 40	6660 8601 3500541	4912 6854 8795 0735 2674	7048 8989 0929	7242 9183 1123	7436	7630 9571	7825 9765 1705	6077 8019 9959 1898 3837	$\frac{8213}{0153}$ $2092$	$\frac{8407}{0347}$ 2286	194 1 19 2 39
2241 42 43 44 45	6356 8293 351 0229	4612 6550 8486 0422 2357	6743 8680 0616	6937 8874 0809	7131 9067 1003	7325 9261 1196		7712 9648 1583		$\frac{8099}{0035}$	3 58 4 78 5 97 6 116 7 136 8 155
46 47 48 49 2250	6031 7963	$\begin{array}{c} 4291 \\ 6224 \\ 8156 \\ \hline 0088 \\ 2018 \end{array}$	$\begin{array}{c} 6417 \\ \underline{8349} \\ 0281 \end{array}$	$\frac{6611}{8543} \\ \hline 0474$	$\frac{6804}{8736} \\ \hline 0667$	$\frac{8929}{0860}$	$7190 \\ \underline{9122} \\ 1053$	$5451$ $7383$ $9315$ $\overline{1246}$ $3176$	$\frac{9508}{1439}$	$7770 \\ 9701 \\ \hline 1632$	9 175

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2250 51 52 53 54 55		3948 5877 7805	2211 4141 6070 7997 9924 1851	4334 6262 8190		$\frac{8576}{0502}$	$6841 \\ 8768 \\ \hline 0695$	3176 5105 7034 8961 0888 2813	$7226 \\ 9154 \\ \hline 1080$	3562 5491 7419 9346 1273 3198	193 1 19 2 39 3 58 4 77 5 97 6 116
56 57 58 59 60 2261 62	7239 9162 354 1084 3006	5508 7432 9355 1277 3198	7624 9547 1469 3390	3968 5893 7816 9739 1661 3582 5502	6085 8009 9931	$\begin{array}{c} 6278 \\ \underline{8201} \\ \overline{0123} \end{array}$	$6470 \\ 8393 \\ \hline 0316 \\ 2237 \\ 4158$	4738 6662 8586 0508 2429 4350 6270	$6855 \\ 8778 \\ \hline 0700 \\ 2621 \\ 4542$	$7047 \\ 8970 \\ \hline 0892 \\ 2814 \\ 4734$	7 135 8 154 9 174 192 1 19 2 38 3 58
63 64 65 66 67	6846 8764 355 0682 2599 4515	7037 8956 0874 2791 4707	7229 9148 1066 2982 4898	7421 9340 1257 3174 5090	7613 9531 1449 3366 5281	7805 9723 1641 3557 5473	7997 9915 1832 3749 5664	$\begin{array}{c} 8189 \\ \hline 0107 \\ 2024 \\ 3940 \\ 5856 \\ \end{array}$	$\begin{array}{c} 8381 \\ \hline 0299 \\ 2216 \\ 4132 \\ 6048 \\ \end{array}$	$\begin{array}{c} 8572 \\ \hline 0490 \\ 2407 \\ 4324 \\ 6239 \\ \end{array}$	4 77 5 96 6 115 7 134 8 154 9 173
$     \begin{array}{r}       68 \\       69 \\       70 \\       2271 \\       72 \\       73     \end{array} $	8345 356 0259 2171 4083	$8536 \\ 0450 \\ 2363 \\ 4274$	$2554 \\ 4466$	8919 0832	9111 1024 2936 4848	9302 1215 3127 5039	3319	9685 1598 3510 5421	1789 3701 5612	$\begin{array}{c} \overline{0067} \\ 1980 \end{array}$	191 1 19 2 38 3 57
74 75 76 77 78	7905 9814 357 1723 3630 5537	8096 0005 $ 1913 $ $ 3821 $ $ 5728$	$\begin{array}{c} 8287 \\ \hline 0196 \\ 2104 \\ 4012 \\ 5918 \end{array}$	$\begin{array}{r} 8478 \\ \hline 0387 \\ 2295 \\ 4202 \\ 6109 \\ \end{array}$	$\frac{8668}{0578}$ $2486$ $4393$ $6300$	$\begin{array}{r} 8859 \\ \hline 0768 \\ 2677 \\ 4584 \\ 6490 \\ \end{array}$	$\begin{array}{c} 9050 \\ \hline 0959 \\ 2867 \\ 4775 \\ 6681 \end{array}$	$\begin{array}{c} 9241 \\ \hline 1150 \\ 3058 \\ 4965 \\ 6872 \\ \end{array}$	$\begin{array}{c} 9432 \\ \hline 1341 \\ 3249 \\ 5156 \\ 7062 \\ \end{array}$	$\begin{array}{r} 9623 \\ \hline 1532 \\ 3440 \\ 5347 \\ 7253 \\ \end{array}$	4 76 5 96 6 115 7 134 8 153 9 172
79 80 2281 82 83 84	358 1253 3156 5059	9539 1443	9729 1634 3537 5440	8015 9920 1824 3727 5630 7531	$\begin{array}{c} 8205 \\ \hline 0110 \\ 2014 \\ 3918 \\ 5820 \\ 7722 \\ \end{array}$	2205 4108	$\overline{0491}$ $2395$ $4298$ $6200$			4869	190
85 86 87 88 89 90	4560 6458	0952 2852 4750 6648	3041 4940	7027	9622 1522 3421 5319 7217 9113	3611 5509 7406	1902 3801	0192 2092 3991 5889 7786 9682	4181	$     \begin{array}{r}       \hline       0572 \\       2472 \\       4370 \\       6268 \\       8165 \\       \hline       0061 \\     \end{array} $	1 19 2 38 3 57 4 76 5 95 6 114 7 133
2291 92 93 94 95	360 0251 2146 4041 5934	0440 2336 4230 6123	0630 2525	0820 2715 4609 6502	1009 2904 4798 6691	1199 3093 4987 6881 8773	1388 3283 5177 7070 8962	1578 3472 5366 7259 9151	1767 3662 5555 7448 9341	3851 5745 7638	8 152 9 171 189
96 97 98 99 2300	5390	1799 3689 5579	3878	2177 4067 5956	2366 4256 6145	2555 4445 6334	$\begin{array}{c} 4634 \\ 6523 \end{array}$	1043 2933 4823 6712 8600	$\begin{array}{c} 5012 \\ 6901 \end{array}$	5201 7090	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
2300 01 02 03 04 05		9166 1053 2939 4825	7467 9355 1242 3128 5013 6898	9544 1430 3317 5202	9732 1619 3505 5390	9921		$\overline{0298}$ $2185$ $4071$ $5956$	8600 0487 2374 4259 6144 8028	0676 $2562$ $4448$ $6332$	$\begin{array}{c} 2751 \\ 4636 \end{array}$	189 1 19 2 38 3 57 4 76 5 95 6 113
06 07 08 09 10	363	8593 0476 2358 4239	8781 0664 2546 4427 6308	8970 0852 2734 4615	9158 1041 2923 4804	9346 1229 3111	9535 1417 3299 5180	9723 1605 3487 5368	9911 1794 3675 5556 7436	0099 1982 3863 5744	0288 2170 4051 5932	7 132 8 151 9 170 188 1 19
2311 12 13 14 15	364	$\begin{array}{c} 9878 \\ 1756 \end{array}$	$\begin{array}{r} \underline{8187} \\ 0066 \\ 1944 \\ 3821 \\ 5698 \end{array}$	$\begin{array}{c} \overline{0254} \\ 2132 \end{array}$	$0442 \\ 2320 \\ 4197$		$\begin{array}{c} \overline{0817} \\ 2695 \end{array}$	$2883 \\ 4759$	$\begin{array}{c} \overline{1193} \\ 3070 \end{array}$		$\overline{1569}$	2 38 3 56 4 75 5 94 6 113 7 132
16 17 18 19 20	365	9260 1134 3007 4880	5067	9635 1509 3382 5254	9823 1696 3569 5441	1884 3757 5629	0197 2071 3944 5816	4131 6003	2446 4318 6190	4505 6377	0947 2820 4693 6564	8 150 9 169
2321 22 23 24 25	366	8622 0492 2361 4230	6939 8809 0679 2548 4416	8996 0866 2735 4603	1053 2922 4790	3109 4977	9557 1427 3296 5163	9744 1614 3482 5350	5537	0118 1987 3856 5724	0305 2174 4043 5910	
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2331 32 33 34 35	368	7285 9147 1009 2869	5609 7472 9334 1195 3055	7658 9520 1381 3241	7844 9706 1567 3427	8030 9892 1753 3613	$\frac{8217}{0078}$ $1939$ $3799$	$\begin{array}{r} 8403 \\ \hline 0264 \\ 2125 \\ 3985 \end{array}$	0450 $2311$ $4171$	$\begin{array}{r} 8775 \\ \hline 0636 \\ 2497 \\ 4357 \end{array}$	2683 4542	6 112 7 131 8 150 9 168
36 37 38 39 40	369	6587 8445 0302 2159	4914 6773 8631 0488 2344	6959 8817 0674 2530	7145 9002 0859 2715	7330 9188 1045 2901	7516 9374 1230 3086	7702 9559 1416 3272	6030 7888 9745 1602 3458	8074 9931 1787 3643	$\begin{array}{r} 8259 \\ \hline 0117 \\ 1973 \\ 3829 \end{array}$	186 1 19 2 37 3 56
2341 42 43 44 45	370	5869 7723 9576 1428	4200 6054 7908 9761 1614	6240 8094 9947 1799	$6425 \\ \underline{8279} \\ 0132 \\ 1984$	6611 8464 0317 2169	$6796 \\ 8650 \\ \hline 0502 \\ 2354$	$6981 \\ 8835 \\ \hline 0688 \\ 2540$	$\begin{array}{r} 9020 \\ \hline 0873 \\ 2725 \end{array}$	$7352 \\ 9205 \\ \hline 1058 \\ 2910$		4 74 5 93 6 112 7 130 8 149 9 167
46 47 48 49 2350	371	6981 8830	5316 7166 9015 0863	$\begin{array}{c} 7351 \\ 9200 \end{array}$	5686 7536 9385	7721 9570	6056 7906 9754	6241 8091 9939		$\begin{array}{c} 6611 \\ \underline{8460} \\ \overline{0309} \end{array}$	$6796 \\ 8645 \\ \hline 0494$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2350 51 52 53 54 55	371 0679 2526	$0863 \\ 2711 \\ 4558$	1048 2896 4742 6588		3265 5112	3450 5296 7142	5481 7327	$   \begin{array}{r}     1972 \\     3819 \\     5666 \\     7511 \\     \underline{9356} \\     1200   \end{array} $		6035 7880	185 1 19 2 37 3 56 4 74
56 57 58 59 60	3596 5438 7279 9120		3964 5806 7648 9488	4149 5991 7832 9672	6175 8016 9856	$\frac{6359}{8200} \\ \hline 0040$	$4701 \\ 6543 \\ \underline{8384} \\ 0224$	$6727 \\ 8568 \\ \hline 0408$	$6911 \\ 8752 \\ \hline 0592$	5254 7095 8936 0776	5 93 6 111 7 130 8 148 9 167
2361 62 63 64 65 66	4637 6475	2983 4821 6658 8495	3167 5005 6842 8679	3350 5189 7026 8862		5556 7393 9230	2063 3902 5740 7577 9413 1249		9780	4453	184 1 18 2 37 3 55
67 68 69 70 2371	1983 3817 5651 7483 9316	2166 4000 5834 7667 9499	2350 4184 6017 7850 9682	2533 4367 6201 8033 9865	$   \begin{array}{r}     2716 \\     4551 \\     6384 \\     8216 \\     \hline     0048   \end{array} $	$   \begin{array}{r}     2900 \\     4734 \\     6567 \\     8400 \\     \hline     0231   \end{array} $	$3083$ $4917$ $6750$ $8583$ $\overline{0414}$	$3267$ $5101$ $6934$ $8766$ $\overline{0598}$	$3450$ $5284$ $7117$ $8949$ $\overline{0781}$	$     \begin{array}{r}       3634 \\       5467 \\       7300 \\       9132 \\       \hline       0964     \end{array} $	4 74 5 92 6 110 7 129 8 147 9 166
72 73 74 75 76	2977 4807 6636 8464	3160 4990 6819 8647	3343 5173 7002 8830	3526 5356 7185 9013		3892 5722 7550 9378	5905 7733 9561	2428 4258 6088 7916 9744	$4441 \\ 6270 \\ 8099 \\ 9926$	$6453 \\ 8282 \\ \hline 0109$	183 1 18 2 37 3 55 4 73 5 92
77 78 79 80 2381 82	3944 5770 7594	2301 4127 5952	2484 4310 6135 7959	2666 4492 6317 8141	2849 4675 6499 8323	3032 4857 6682 8506	1388 3214 5040 6864 8688	3397 5222 7047 8871	1753 $3579$ $5405$ $7229$ $9053$ $0876$	5587 7412 9235	6 110 7 128 8 146 9 165
83 84 85 86 87	377 1240 3063 4884 6704	$\begin{array}{c} 1423 \\ 3245 \end{array}$	1605 3427 5248 7068	1787 3609 5430 7250	1969 3791 5612 7432	2152 3973 5794 7614	2334 4155 5976 7796		2698 4520 6340 8160	4702 6522 8342	182 1 18 2 36 3 55
88 89 90 2391 92	378 0343	$\begin{array}{c} 0525 \\ 2343 \end{array}$	$0707 \\ 2525 \\ 4342 \\ 6159$	0889 2707 4524 6341	1071 2889 4706		1434 3252 5069		1798 3616	1980 3797 5614 7430	5 91 6 109 7 127 8 146 9 164
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98 99 2400	380 0302	8673 0484 2293	0665	0846	1027	1208	1389	9759 1570 3379	1750	1931	101

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06 07 08 09 10	4761 6565 8368 382 0170		6926 8729 0531	7106 8909 0711	9089 0891	7467 9269 1071	$9450 \\ 1252$	7827 9630 1432	6204 8007 9810 1612	8188 9990 1792	7 127 8 145 9 163
2411 12 13 14 15 16	7373	3953 5753 7553 9351	5933 7732 9531	7912	6293 8092	$4673 \\ 6473 \\ 8272 \\ \hline 0070$	3053 4853 6653 8452 0250 2048	$\begin{array}{c} 6833 \\ 8632 \end{array}$	5213	$\begin{array}{c} 7193 \\ \underline{8992} \\ \overline{0790} \end{array}$	180 1 18 2 36 3 54 4 72 5 90
17 18 19 20 2421	2767 4563 6359 8154 9948	$2946 \\ 4743 \\ 6538 \\ 8333 \\ \hline 0127$	$3126 \\ 4922 \\ 6718 \\ 8513 \\ \hline 0307$	$3306$ $5102$ $6897$ $8692$ $\overline{0486}$	$3485$ $5281$ $7077$ $8871$ $\overline{0665}$	3665 $5461$ $7256$ $9051$ $0845$	3844 $5640$ $7436$ $9230$ $1024$	$4024 \\ 5820 \\ 7615 \\ 9410 \\ \hline 1203$	$4204 \\ 6000 \\ 7795 \\ 9589 \\ \hline 1383$	$4383 \\ 6179 \\ 7974 \\ 9769 \\ \hline 1562$	6 108 7 126 8 144 9 162
22 23 24 25 26 27	5326 7117	3713 5505 7297 9087	2100 3893 5684 7476 9266 1056	4072 5864 7655 9445	4251 6043 7834 9624	4430 6222 8013	2817 4609 6401 8192 9982		4968 6759 8550	3355 5147 6938 8729 0519 2308	179
28 29 30 2431 32	2487 4275 6063 7850	2666 4454 6241 8028 9814	2845 4633 6420 8207	3023 4812 6599 8386	3202 4990	3381 5169 6956 8743	$   \begin{array}{r}     3560 \\     5348 \\     7135 \\     \hline     8921 \\     \hline     0707   \end{array} $	3739 5527 7314 9100	3918 5705 7492 9279	4096 5884 7671 9457	2 36 3 54 4 72 5 90 6 107 7 125 8 143
33 34 35 36 37	4990 6773 8555	3384 5168 6951 8733	3563 5346 7129 8912	5525 7308 9090	5703 7486 9268	2314 4098 5881 7664	2492 4276 6060	2670 4455 6238 8021	2849 4633 6416 8199	3027 4811 6595 8377	9 161
38 39 40 2441 42	5678 7457	2296 4076 5856 7634	2474 4254 6034 7812	2652 4432 6212 7990	2830 4610 6389 8168	3008 4788 6567 8346	6745 8524	3364 5144 6923 8701	3542 5322 7101 8879	1940 3720 5500 7279 9057	178 1 18 2 36 3 53 4 71 5 89
43 44 45 46 47 48	388 1012 2789 4565 6340	9412 1190 2966 4742 6517 8292	1367 3144 4920 6695	1545 3321 5097 6872	1723 3499 5275 7050	5452	2078 3854 5630 7404	2256 4032 5807 7582	4209 5985 7759	7937	6 107 7 125 8 142 9 160
49 2450		0065	$\overline{0243}$	$\overline{0420}$	$\overline{0597}$		$\overline{0952}$	$\overline{1129}$	1306	1484	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2450 51 52 53 54 55	5205 6975	3610 5382 7153 8923	3787 5559 7330 9100	3965 5736- 7507	5913 7684 9453	6090 7861 9630	6267	4673	3079 $4850$ $6621$ $8392$ $0161$ $1930$	$\begin{array}{c} 3256 \\ 5028 \\ 6798 \\ \underline{8569} \\ 0338 \\ 2107 \end{array}$	177 1 18 2 35 3 53
56 57 58 59 60	5819 7585 9351	4228 5995 7762 9528	4405 6172 7939 9704	6349 8115 9881	4759 6525 8292 0057	$4935 \\ 6702 \\ 8468 \\ \hline 0234$	$\frac{8645}{0410}$	$7055 \\ 8821 \\ \hline 0587$	0763	3875 5642 7409 9175 0940	4 71 5 89 6 106 7 124 8 142 9 159
2461 62 63 64 65 66	4644 6407 8169	$1293$ $3057$ $4820$ $6583$ $8345$ $\overline{0107}$	3233 4997 6760 8522	3410 5173 6936 8698	1822 3586 5349 7112 8874 0635	7288 9050		5878 7641 9402	2528 4291 6055 7817 9578 1339	7993 9755	
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72 73 74 75 76	3997 5752 7506	2417 4172 5928 7682	2592 4348 6103 7857	2768 4524 6278 8033	4699 6454 8208	3119 4875 6629 8383	6805 8559	3470 5226 6980 8734	5401 7156 8909	3821 5577 7331 9085	7 123 8 141 9 158
77 78 79 80 2481	394 1013 2765 4517 6268	2940 4692 6443	1364 3116 4867 6618	1539 3291 5042 6793	1714 3466 5217 6968	1889 3641 5392 7143	2064 3816 5567 7318	3991 5742 7493	2415 4167 5918 7668	2590 4342 6093 7843	175 1 18
82 83 84 85 86	9767 395 1516 3264		$\overline{0117}$ 1866 3613	0292 $2040$ $3788$	0467 2215 3963	0642 2390 4138 5885	2565 4312 6059	4487 6234		4837	2 35 3 53 4 70 5 88 6 105 7 123
87 88 89 90 2491	8504 396 0249 1993 3737	2168 3912	8853 0598 2342 4086	9027 0772 2517 4260	0947 2691 4435	9376 1121 2865 4609	1296 3040 4783	4958	1645 3389 5132	1819 3563 5306	8 140 9 158
92 93 94 95 96	7223 8964 397 0705 2446	9139 0880 2620	7571 9313 1054 2794	7745 9487 1228 2968	7920 9661 1402 3142	8094 9835 1576 3316	$\begin{array}{r} 8268 \\ \hline 0009 \\ 1750 \\ 3490 \\ \end{array}$	1924 3664	$\frac{8616}{0357}$ $2098$ $3838$	$\begin{array}{r} 8790 \\ \hline 0531 \\ 2272 \\ 4011 \end{array}$	174 1 17 2 35 3 52 4 70
97 98 99 2500	5924 7663	4359 6098 7836 9574	6272 8010	6446 8184	8358	6794 8531	5229 6967 8705 0442	5403 7141 8879 0616	5577 7315 9053 0790	5750 7489 9226 0963	5 87 6 104 7 122 8 139 9 157

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2500 01 02 03 04	4608 6343	1311 3047 4782 6517		1658 3394 5129 6864	1831 3567	3741		7557		2699 4435 6170 7904	
05 06 07 08 09 10	9811 3991543 3275 5007 6737	9984 1717 3448 5180 6910	$     \begin{array}{r}       \hline       0157 \\       1890 \\       3622 \\       5353 \\       7083     \end{array} $	0331 2063 3795 5526 7256	0504 2236 3968 5699 7429	$\overline{0677}$ 2409 4141 5872	$\begin{array}{c} \overline{0850} \\ 2583 \end{array}$	1024 2756 4487 6218 7948	1197 2929 4660 6391 8121,	1370 3102 4834 6564 8294	173 1 17
2511 12 13 14 15	400 0196 1925 3653 5380	2098 3825 5553	$0542 \\ 2271 \\ 3998$			1061 2789 4516	2962 4689 6416	9678 1406 3134 4862 6588 8314	3307 5035 6761	1752 3480 5207	2 35 3 52 4 69 5 87 6 104 7 121 8 138
17 18 19 20 2521	8832 401 0557 2282 4005 5728	9005 0730 2454 4178 5901	9177 0902 2626 4350 6073	9350 1075 2799 4522 6245	9522 1247 2971 4695 6417	9695 1420 3144 4867 6590	9867 1592 3316 5039 6762	0040 1764 3488 5212 6934	0212 1937 3661 5384 7106	0385 2109 3833 5556 7279	9 156
22 23 24 25 26 27	9173 402 0894 2614 4333	9345 1066 2786 4505	2958	9689 1410 3130 4849	8140 9861 1582 3302 5021 6740	0033 1754 3474 5193	8484 0205 1926 3646 5365 7083	0377 2098 3818	$     \begin{array}{r}       \hline       0549 \\       2270 \\       3990     \end{array} $	$\begin{array}{c} 9000 \\ \hline 0721 \\ 2442 \\ 4162 \\ 5881 \\ 7599 \\ \end{array}$	172 1 17 2 34 3 52
28 29 30 2531 32	7771 9488 403 1205 2921	7942 9660 1377	8114 9832 1549 3265	$\begin{array}{c} 8286 \\ \hline 0003 \\ 1720 \end{array}$	$\frac{8458}{0175}$	$\begin{array}{r} 8630 \\ \hline 0347 \\ 2063 \\ 3779 \end{array}$	$\begin{array}{r} 8801 \\ \hline 0519 \\ 2235 \end{array}$	8973 $0690$ $2407$ $4122$	$\begin{array}{r} 9145 \\ \hline 0862 \\ 2578 \end{array}$	$\begin{array}{r} 9317 \\ \hline 1034 \\ 2750 \\ 4465 \end{array}$	4 69 5 86 6 103 7 120 8 138 9 155
33 34 35 36 37	9780 404 1492 3205		$\begin{array}{c} 8409 \\ \hline 0122 \\ 1835 \\ 3547 \end{array}$		$   \begin{array}{r}     8752 \\     \hline     0465 \\     2177 \\     3889   \end{array} $	$06\overline{36}$ 2349 4061	$\begin{array}{r} 9094 \\ \hline 0807 \\ 2520 \\ 4232 \end{array}$	9266	4574	1321 3033 4745	
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2550					6083			6594			

No.	0	1	2	3	4	5	6	7	8	9	Diff.
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56 57 58 59 60	7307 9005 408 0703	5778 7477 59175 0873 2569	7647 9345 1042	7817 9515 1212	7987 9684	8156 9854 1551	$\tfrac{8326}{0024}$	$6798 \\ \underline{8496} \\ 0194 \\ 1891 \\ 3587$	$\frac{8666}{0363}$ 2060	$\overline{0533}$	170 1 17 2 34 3 51 4 68 5 85
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66 67 68 69 70	5950 7641	2736 4428 6119 7810 9500	6288 7979			5105 6796	6965 8655	3751 $5443$ $7134$ $8824$ $0514$	7303 8993	$4089 \\ 5781 \\ 7472 \\ \underline{9162} \\ 0852$	169
2571 72 73 74 75		2878 4567 6254	3047 4735 6423	1527 3216 4904 6592 8278		6929			4060 5748 7435	2541 4229 5917 7604 9290	1 17 2 34 3 51 4 68 5 85 6 101
76 77 78 79 80	411 1144 2829 4513	9627 1313 2998 4682 6365	1481 3166 4850	1650 3334 5019	1818 3503 5187	1987 3671 5355	2155	0639 2324 4008 5692 7375	2492	6029	7 118 8 135 9 152
2581 82 83 84 85	9562 412 1244	3093	9899 1580	1748	$\frac{8553}{0235}$ $1917$ $3597$ $5277$	2085 3765	2253 3933		$\begin{array}{c} 9226 \\ \hline 0908 \\ 2589 \\ 4269 \\ 5949 \end{array}$	4437	168 1 17 2 34
86 87 88 89 90	7964 9643 413 1321		$8300 \\ 9978 \\ 1656$	$\frac{8468}{0146}$	8636	$\frac{8804}{0482}$ 2159	$\frac{8971}{0649}$	7461 9139 0817 2495 4171	$\frac{9307}{0985}$ $2662$	$\frac{9475}{1153}$	3 50 4 67 5 84 6 101 7 118 8 134
2591 92 93 94 95	6350	8193 9867	$\frac{6685}{8360} \\ \hline 0035$		$5345 \\ 7020 \\ 8695 \\ \hline 0369 \\ 2043$	7188	$5680 \\ 7355 \\ 9030 \\ \hline 0704 \\ 2378$	7523 9197	$6015 \\ 7690 \\ 9365 \\ \hline 1039 \\ 2712$	$7858 \\ 9532 \\ \hline 1206$	9 151
96 97 98 99 2600	8063		6726 8397	8564	3716 $5388$ $7060$ $8731$ $0402$	7227 8898	5723 7394 9065	4218 5890 7561 9232 0903	6057 7729 9399	6224 7896 9566	167

No.		0	1	2	3	4	5	6	7	8	9	Diff.
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06 07 08 09 10	97 416 14 30 47	744 410 076 741		$\overline{0077}$ 1743 3409 5074	$\overline{0244}$ 1910 3575 5240	$\overline{0411}$ 2077 3742 5407	0577 2243 3908	0744 2410 4075 5739	$     \begin{array}{r}       \hline       0911 \\       2576 \\       4241 \\       5906 \\       7570     \end{array} $	$\overline{1077}$ $2743$ $4408$ $6072$	1244 2909 4574 6239	5 84 6 100 7 117 8 134 9 150
2611 12 13 14 15	91 417 13 30 41	732 394 056 717	8235 9898 1560 3222 4883	$     \begin{array}{r}       \hline       0064 \\       1726 \\       3388 \\       5049     \end{array} $	1893 3554 5215	0397 2059 3720 5381	0563 2225 3886 5547	2391 4053 5713	0895 2557 4219 5879	2724 4385 6045	1228 2890 4551 6211	166
16 17 18 19 20 2621	86 96 418 13 36	037 696 355 013	6543 8203 9862 1521 3179 4836	$\begin{array}{r} 8369 \\ \hline 0028 \\ 1687 \\ 3344 \end{array}$	$\begin{array}{r} 8535 \\ \hline 0194 \\ 1852 \\ 3510 \end{array}$	$\begin{array}{r} 8701 \\ \hline 0360 \\ 2018 \\ 3676 \end{array}$	$\frac{8867}{0526}$ 2184	0692 $2350$ $4007$	7539 9199 0857 2516 4173 5830	$10\overline{23}$ $2681$ $4339$	$\frac{9531}{1189}$ $2847$	2 33 3 50 4 66 5 83 6 100 7 116
2021 22 23 24 25 26	6: 7: 9: 4191:	327 983 638	6493 8148 9804 1459	6658 8314 9969 1624	$6824 \\ 8480 \\ \hline 0135$	6989 8645	$\begin{array}{r} 7155 \\ 8811 \\ \hline 0466 \end{array}$	$7321 \\ 8976 \\ \hline 0631 \\ 2286$	7486	7652 9307	$7817 \\ 9473 \\ \hline 1128 \\ 2782$	8 133 9 149
27 28 29 30	6: 7: 9:	601 254 906 557	4766 6419 8071 9723 1374	4931 6584 8236 9888	5097 6749 8401	$\begin{array}{c} 5262 \\ 6915 \\ \underline{8567} \\ 0218 \end{array}$	5427	$5593 \\ 7245 \\ 8897 \\ \hline 0548$	5758 $7410$ $9062$ $0713$ $2364$	5923	6088 7741	
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36 37 38 39 40	42111	101 748 394 039	9619 1266 2913 4558 6204	1431 3077 4723 6368	1595 3242 4888 6533	1760 3406 5052 6697	1925 3571 5217 6862	2089 3736 5381 7026	0607 2254 3900 5546 7191	2419 4065 5710 7355	2583 4229 5875 7520	6 99 7 116 8 132 9 149
2641 42 43 44 45	422 0 2 4	328 972 615 257		9657 1300 2943 4585	9821 1465 3107 4749	9986 1629 3271 4913	1793 3436 5078	$\overline{0314}$ 1957 3600 5242	3764 5406	2286 3928 5570	2450 4093 5734	
46 47 48 49 2650	7 9 423 0	539 180 820	6063 7703 9344 0984 2623	7868 9508 1147	8032 9672 1311	8196 9836 1475	$\frac{8360}{0000}$ $1639$	$\frac{8524}{0164}$ $1803$	$7047 \\ 8688 \\ \hline 0328 \\ 1967 \\ 3606$	$\begin{array}{c} \overline{0492} \\ 2131 \end{array}$	$\begin{array}{c} 9016 \\ \hline 0656 \\ 2295 \end{array}$	164

No.	0	1	2	3	4	5	6	7	8	9	Diff.
2650 51 52 53 54	5735 7372 9009	4261 5899 7536 9173	4425 6063 7700 9336	4589 6226 7864 9500	9664	4916 6554 8191 9827	5080 6718 8355 9991	$5244 \\ 6881 \\ \underline{8518} \\ 0154$	$7045 \\ 8682 \\ \hline 0318$	$5571 \\ 7209 \\ \underline{8846} \\ 0482$	164 1 16 2 33 3 49 4 66
55 56 57 58 59 60	3916 5550 7183	2444 4079	2608 4242 5877	2771 4406 6040 7673 9306		4733 6367 8000	6530	3425 5060 6693 8327	3589 5223 6857	$ \begin{array}{c} 2117 \\ 3752 \\ 5386 \\ 7020 \\ \underline{8653} \\ 0286 \end{array} $	5 82 6 98 7 115 8 131 9 148
2661 62 63 64 65	425 0449 2081 3712 5342	0612 $2244$ $3875$	0775 2407 4038 5668	$0938 \\ 2570 \\ 4201$	1102 2733 4364 5994	1265 2896 4527 6157	1428 3059	1591 3222 4853 6483	1754 3385 5016 6646	1917 3549 5179 6809 8439	163 1 16 2 33
66 67 68 69 70	426 0230 1858 3486 5113	2021 $3648$ $5275$	0556 2184 3811 5438	2347 3974 5601	2509 4137 5763	1044 2672 4299 5926	4462 6088	1370 2998 4625 6251	3160 4787 6414	1695 3323 4950 6576	3 49 4 65 5 82 6 98 7 114 8 130
2671 72 73 74 75	8365 9990 427 1614 3238	$0152 \\ 1776 \\ 3400$	$\begin{array}{r} 8690 \\ \hline 0315 \\ 1939 \\ 3563 \end{array}$		2264 3887	$\begin{array}{c} 9177 \\ \hline 0802 \\ 2426 \\ 4050 \end{array}$	$\begin{array}{r} 9340 \\ \hline 0964 \\ 2588 \\ 4212 \end{array}$	4374	$\begin{array}{r} 9665 \\ \hline 1289 \\ 2913 \\ 4536 \end{array}$		9 147
76 77 78 79 80	$6484 \\ 8106 \\ 9727 \\ 4281348$	8268 9889 1510	$6808 \\ \underline{8430} \\ 0051 \\ 1672$	$\begin{array}{r} 8592 \\ \hline 0213 \\ 1834 \end{array}$	$\frac{8754}{0376}$ 1996	$\frac{8917}{0538}$ 2158	$\begin{array}{c} \overline{0700} \\ 2320 \end{array}$	$7619 \\ \underline{9241} \\ 0862 \\ 2482$	6159 7781 9403 1024 2644	$7944 \\ 9565 \\ \hline 1186 \\ 2806$	162
2681 82 83 84 85	4588 6207 7825 9443	6369 7987 9605	4912 6530 8149 9766	6692 8311 9928	5235 6854 8472 0090	$5397 \\ 7016 \\ \underline{8634} \\ 0252$	$7178 \\ 8796 \\ \hline 0413$	$5721 \\ 7340 \\ \underline{8958} \\ 0575$	$\overline{0737}$	$6045 \\ 7663 \\ 9281 \\ \hline 0898$	1 16 2 32 3 49 4 65 5 81 6 97
86 87 88 89 90	4293 5908 7523	2838 4454 6070 7684	3000 4616 6231 7846	4777 6393 8007	3323 4939 6554 8169	3485 5100 6715 8330	3646 5262 6877 8491	3808 5423 7038 8653		4131 5747 7361 8976	7 113 8 130 9 146
2691 92 93 94 95	430 0751 2364 3976 5588	2525 4137 5749	1073 2686 4298 5910	2847 4460 6071	1396 3009 4621 6232	1557 3170 4782 6393	1718 3331 4943 6554	3492 5104 6716	2041 3653 5265 6877	3815 5427 7038	
96 97 98 99 2700		$\begin{array}{c} 0580 \\ 2190 \end{array}$		2512	$\begin{array}{c} 1063 \\ 2672 \end{array}$	9615 $1224$ $2833$	2994	9937 1546 3155	$   \begin{array}{r}     8487 \\     \hline     0098 \\     1707 \\     3316 \\     4924   \end{array} $	$\frac{1868}{3477}$	161

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
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04 05 06	432 0067 1673 3278	1833 3438	1994 3599	0549 2154 3759	0709 2315 3920	2475 4080	2636 4241	4401	2957 4562	3117 4722	3 48 4 64 5 81 6 97
07 08 09 10			6807 8411	6968	$5524 \\ 7128 \\ 8731 \\ \hline 0334$	7288 8892		$6005 \\ 7609 \\ 9212 \\ \hline 0815$			7 113 8 129 9 145
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16 17 18 19 20	4092		$\begin{array}{c} 2814 \\ 4412 \end{array}$	1376 2974 4571	9937 1536 3134 4731 6328	3293 4891	1855 3453 5050		3773 5370	2335 3932	160 1 16 2 32
2721 22 23 24 25	8881 435 0476 2071	7445 9041 0636 2230 3824	9200 0795 2390	9360 0955 2549	7924 9519 1114 2709 4303	9679 1274 2868	$\begin{array}{c} 1433 \\ 3028 \end{array}$	8403 9998 1593 3187 4781	0157 $1752$ $3346$	1912 3506	3 48 4 64 5 80 6 96 7 112 8 128 9 144
26 27 28 29 30		7011 8603 0194	$\begin{array}{c} 8762 \\ 0354 \end{array}$	7329 8921	9080 0672	7648 9240 0831	7807 9399 0990	6374 7966 9558 1149 2740	8125 9717 1308	8284 9876 1467	9 144
2731 32 33 34 35	4807 6396 7985	3376 4966 6555 8144 9732	5125 6714 8303	5284 6873 8462	$     \begin{array}{r}       3853 \\       5443 \\       7032 \\       \underline{8620} \\       \hline       0208     \end{array} $	5602 7191	7350 8938	5920 7509 9097	7667	6237 7826	159 1 16 2 32 3 48 4 64
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46 47 48 49 2750	8587 439 0167 1747		8903 0483 2063	9061 0641 2221	$\begin{array}{c} 0799 \\ 2379 \end{array}$	9377 0957 2537	$\begin{array}{c} 1115 \\ 2695 \end{array}$	9693	1431 3011	0009 1589 3169	158

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56 57 58 59 60	4368 5943 7517	4525 6100 7674	3107 4683 6258 7832 9406	4840 6415 7989	6572 8147	8304 9878	$5313 \\ 6887 \\ \underline{8461} \\ 0035$	$5470 \\ 7045 \\ 8619 \\ \hline 0192$	$\frac{8776}{0349}$		6 95 7 111 8 126 9 142
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66 67 68 69 70	442 0092 1661 3230 4798	0249 1818 3386 4954	1975 3543 5111	0562 2132 3700 5268	0719 2288 3857 5425	0876 2445 4014 5582	1033 2602 4171 5738	9621 1190 2759 4327 5895	1347 2916 4484 6052	1504 3073 4641 6209	1 16 2 31 3 47 4 63 5 79 6 94
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76 77 78 79 80	5759 7322 8885 444 0448	5915 7479 9042 0604		6228 7791 9354 0917	7948 9511 1073	6541 8104 9667 1229	6697 8260 9823 1385	5290 6853 8417 9979 1541	$7010 \\ 8573 \\ \hline 0136 \\ 1698$	$\frac{8729}{0292}$ 1854	156 1 16 2 31
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86 87 88 89 90	445 1370 2928 4485 6042	1526 3083 4641 6198	3239 4797 6353	1837 3395 4952 6509	1993 3551 5108 6665	2149 3706 5264 6820	2305 3862 5419 6976	0902 2460 4018 5575 7132	2616 4174 5731 7287	2772 4329 5886 7443	9 140
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96 97 98 99 2800	6925 8477 447 0029	7080 8632 0184	8788	7390 8943 0494	9098 0650	7701 9253 0805	7856 9408 0960	6459 8011 9563 1115 2666	8167 9719 1270	8322 9874 1425	

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06 07 08 09 10	3971 5517 7063	2579 4126 5672 7218	4280 5827 7372	2888 4435 5981 7527	6136 7681	3198 4744 6290 7836	1805 3352 4899 6445 7990	3507 5054 6600 8145	3662 5208 6754 8299	5363 6909 8454	5 78 6 93 7 109 8 124 9 140
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17 18 19 20 2821	7868 9410 450 0951 2491	$8023 \\ 9564$	8177 9718 1259 2799	8331 9872 1413 2953	$\frac{8485}{0026}$ $1567$ $3107$	$\begin{array}{r} 8639 \\ \hline 0180 \\ 1721 \\ 3261 \end{array}$	$\frac{8793}{0334}$ $1875$	$   \begin{array}{r}     8948 \\     \hline     0489 \\     2029 \\     3569   \end{array} $	$\begin{array}{c} 9102 \\ \hline 0643 \\ 2183 \\ 3723 \end{array}$	$\begin{array}{r} 9256 \\ \hline 0797 \\ 2337 \\ 3877 \end{array}$	1 15 2 31 3 46 4 62 5 77 6 92 7 108
22 23 24 25 26	7109 8647 451 0185 1722	1875	7416 8954 0492 2029	7570 9108 0646 2183	7724 9262 0799 2336	7878 9416 0953 2490	9570 1107 2644	8186 9723 1261 2797	8339 9877 1414 2951	$\begin{array}{r} 8493 \\ \hline 0031 \\ 1568 \\ 3104 \end{array}$	8 123 9 139
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56 57 58 59 60 2861	$\begin{array}{r} 9102 \\ 4560622 \\ 2142 \end{array}$	2293 3812	9406 0926 2445 3964	$\begin{array}{c} 9558 \\ 1078 \\ 2597 \end{array}$	9710 1230 2749 4268	9862 1382 2901 4420 5938	0014 1534 3053 4571 6089	$\begin{array}{c} 8646 \\ \hline 0166 \\ 1686 \\ 3205 \\ 4723 \\ 6241 \end{array}$	0318 1838 3357 4875 6393	0470 1990 3508 5027 6545	152 1 15 2 30 3 46 4 61
62 63 64 65 66	8213		$\frac{8517}{0033}\\1549$	8669	$\frac{8820}{0337}$ 1853	$\begin{array}{r} 8972 \\ \hline 0488 \\ 2004 \end{array}$	$\begin{array}{c} \overline{0640} \\ 2156 \end{array}$	$\frac{9275}{0791}$		$\frac{9578}{1095} \\ 2610$	5 76 6 91 7 106 8 122 9 137
67 68 69 70	4277 5791 7305 8819	4428 5943 7457 8970	4580 6094 7608 9122	4731 6246 7760 9273	4883 6397 7911 9424	5034 6549 8062 9576	5186 6700 8214	5337 6851 8365 9878	$5489 \\ 7003 \\ \underline{8516} \\ 0029$	$5640 \\ 7154 \\ 8668 \\ \hline 0181$	
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86 87 88 89 90	5972 7475	$\frac{4618}{6122}$	$6273 \\ 7776$	$4919 \\ 6423$	6573 8077	5220 6724 8227	5370 6874 8377	$4017 \\ 5521 \\ 7024 \\ \underline{8528} \\ 0030$	5671 7175 8678	5822 7325 8828	
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06 07 08 09 10	5944 7437 8930	4600 6093 7587 9079	6243 7736 9228	4898 6392 7885 9378	5048 6541 8034 9527	6691 8184 9676	5347 6840 8333 9825	6989 8482 9974	$7139 \\ 8631 \\ \hline 0124$	$5795 \\ 7288 \\ 8781 \\ \hline 0273$	5 75 6 90 7 105 8 120 9 135
2911 12 13 14 15 16	3405 4895 6386	2063 3554 5045	3703 5194 6684	2361 3852 5343 6833	4001	2659 4150 5641 7130	1317 2808 4299 5790 7279 8769	2958 4448	3107 4597 6088	3256 4746 6237 7726	149 1 15 2 30 3 45
17 18 19 20 2921	9364 465 0853 2341 3829 5316	9513 1002 2490 3977 5464	9662 1151 2639 4126 5613	9811 1299 2787 4275 5762	9960 1448 2936 4423 5910	0109 1597 3085 4572 6059	0258 1746 3234 4721 6208	0406 1895 3382 4870 6356	0555 2043 3531 5018 6505	0704 2192 3680 5167 6653	4 60 5 75 6 89 7 104 8 119 9 134
22 23 24 25 26	8288	9922 1407 2892	$\begin{array}{r} 8585 \\ \hline 0071 \\ 1556 \\ 3040 \\ \end{array}$	$\begin{array}{r} 8734 \\ \hline 0219 \\ 1704 \\ 3188 \end{array}$		$\begin{array}{r} 9031 \\ \hline 0516 \\ 2001 \\ 3485 \\ \end{array}$	7694 9180 0665 2149 3634 5117	$\begin{array}{c} 9328 \\ \hline 0813 \\ 2298 \\ 3782 \end{array}$	$\begin{array}{c} 9477 \\ \hline 0962 \\ 2446 \\ 3930 \end{array}$	1110 2595 4079	
27 28 29 30 2931 32	5711 7194 8676 4670158	5859 7342 8824	6007 7490 8973 0455	6156 7639 9121 0603	6304 7787 9269 0751	6452 7935 9417 0899	6601 8083 9565 1047 2528	6749 8232 9714 1195	6897 8380 9862 1343	$7045 \\ 8528 \\ \hline 0010 \\ 1492$	148 1 15 2 30 3 44
33 34 35 36 37	3121 4601 6081 7561	3269	3417 4897 6377 7856	3565 5045 6525 8004	3713 5193 6673 8152	3861 5341 6821 8300		4157 5637 7117 8596		4453 5933 7413 8892	4 59 5 74 6 89 7 104 8 118 9 133
38 39 40 2941 42	468 0518 1996 3473 4950	$\begin{array}{c} 0666 \\ 2144 \end{array}$	0814 2291 3769 5246	0961 2439 3916	1109 2587 4064 5541 7017	1257 2735 4212 5689	1405 2882 4360 5836 7312	1553	1700 3178 4655 6131	1848	
43 44 45 46 47	7903 9378 469 0853	8050 9526 1000 2475	8198 9673 1148 2622	8345 9821 1295 2770	8493 9968 1443 2917 4391	$\frac{8640}{0116}$	$\begin{array}{r} 8788 \\ \hline 0263 \\ 1738 \\ 3212 \\ \end{array}$	$8935 \over 0411 \\ 1885 \\ 3359$	$\begin{array}{c} 9083 \\ \hline 0558 \\ 2033 \\ 3507 \end{array}$	9231	147
48 49 2950	5275 6748	5422	5569 7042	5717 7190	5864 7337	6011 7484	6159 7631 9103	6306 7778	6453 7926	6600 8073	111

No.	0	1	2	3	4	5	6	7	8	9	Diff.
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56 57 58 59 60	8513 9982 471 1450 2917	3064	$\begin{array}{r} 8807 \\ \hline 0275 \\ 1743 \\ 3211 \end{array}$	$\begin{array}{r} 8954 \\ \hline 0422 \\ 1890 \\ 3357 \end{array}$	$\begin{array}{c} 9101 \\ \hline 0569 \\ 2037 \\ 3504 \end{array}$	$\begin{array}{r} 9248 \\ \hline 0716 \\ 2183 \\ 3651 \end{array}$	7926 9394 0863 2330 3797	$\begin{array}{c} 9541 \\ \hline 1009 \\ 2477 \\ 3944 \end{array}$	$\begin{array}{r} 9688 \\ \hline 1156 \\ 2624 \\ 4091 \end{array}$	$\begin{array}{c} 9835 \\ \hline 1303 \\ 2770 \\ 4237 \end{array}$	5 74 6 88 7 103 8 118 9 132
2961 62 63 64 65 66	5851 7317 8782 472 0247	4531 5997 7463 8929 0393 1858	6144 7610 9075 0540	6290 7756 9222 0686	6437 7903 9368	6584 8049 9515 0979	5264 6730 8196 9661 1126 2590	6877 8342 9808 1272	7023 8489 9954 1419	$7170 \\ 8635 \\ \hline 0101 \\ 1565$	
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72 73 74 75 76	473 0488 1949 3410 4870		0780 2241 3702 5162	0926 2387 3848 5308	1073 2533 3994	1219 2679 4140	1365 2825 4286 5746	1511 2972 4432	1657 3118 4578	1803 3264 4724 6183	6 88 7 102 8 117 9 131
77 78 79 80 2981	7788 9247 474 0705 2163	7934 9393	8080 9539 0997 2454	8226 9684 1142 2600	8372 9830 1288 2746	8518 9976 1434 2891	$     \begin{array}{r}       8664 \\       \hline       0122 \\       1580 \\       3037 \\       \hline       4494 \\     \end{array} $	$\begin{array}{r} 8809 \\ \hline 0268 \\ 1725 \\ 3183 \end{array}$	$\begin{array}{r} 8955 \\ \hline 0413 \\ 1871 \\ 3328 \end{array}$	$\frac{9101}{0559} \\ 2017 \\ 3474$	
82 83 84 85 86	5076 6533 7988	5222 6678 8134 9589	5368 6824 8279 9734	5513 6969 8425 9880	$\begin{array}{c} 5659 \\ 7115 \\ 8570 \\ \hline 0025 \end{array}$	$\begin{array}{c} 5805 \\ 7260 \\ \underline{8716} \\ 0171 \end{array}$	5950 7406 8861 0316	$6096 \\ 7552 \\ \underline{9007} \\ 0462$	$6241 \\ 7697 \\ 9152 \\ \hline 0607$	6387	
87 88 89 90 2991	2352 3806 5259 6712	2498 3951 5404 6857 8309	2643 4097 5550 7002	2788 4242 5695 7148	2934 4387 5840 7293	3079 4533	3225 4678 6131 7583	3370 4823 6276	3515 4969 6421 7874	5114 6567	
92 93 94 95 96	9616 476 1067 2518 3968	9761	9906 1357 2808 4258	$     \begin{array}{r}       0051 \\       1502 \\       2953 \\       4403     \end{array} $	0196 1648 3098 4548	$     \begin{array}{r}       03\overline{42} \\       1793 \\       3243 \\       4693     \end{array} $	$\overline{0487}$ 1938 3388	$     \begin{array}{r}       \hline       0632 \\       2083 \\       3533 \\       4983     \end{array} $	$\overline{0777}$ 2228 3678 5128	0922 2373 3823 5273	145
97 98 99 3000	6867 8316	7012 8461 9909	$\begin{array}{c} 7157 \\ \underline{8606} \\ 0054 \end{array}$	$7302 \\ 8751 \\ \hline 0199$	$\begin{array}{r} 7447 \\ 8896 \\ \hline 0344 \end{array}$	7592 9041	$7737 \\ \underline{9185} \\ 0633$	$7882 \\ 9330 \\ \hline 0778$	$8027 \\ \underline{9475} \\ 0923$	$\begin{array}{c} 8171 \\ \underline{9620} \\ 1068 \end{array}$	

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06 07 08 09 10	478	1334 2778 4222 5665	1479 2923 4366 5809	1623 3067 4511 5954	1768 3211 4655 6098	6242	2056 3500 4943 6386	0757 2201 3645 5088 6531	2345 3789 5232 6675	2490 3933 5376 6819	2634 4078 5521 6963	6 87 7 102 8 116 9 131
3011 12 13 14 15 16	479	8550 9991 1432 2873	0135 1577 3017	$\begin{array}{r} 8838 \\ \hline 0280 \\ 1721 \\ 3161 \end{array}$	0424 $1865$ $3305$	$\frac{9126}{0568} \\ 2009$	$\begin{array}{r} 9271 \\ \hline 0712 \\ 2153 \\ 3593 \end{array}$		$\begin{array}{r} 9559 \\ \hline 1000 \\ 2441 \\ 3881 \end{array}$	$\begin{array}{c} \overline{1144} \\ 2585 \end{array}$	$\begin{array}{r} 9847 \\ \hline 1288 \\ 2729 \\ 4169 \end{array}$	144 1 14 2 29 3 43 4 58 5 72
17 18 19 20 3021		5753 7192 8631 0069 1507	5897 7336 8775 0213 1651	6041 7480 8919 0357 1795	6185 7624 9063 0501 1939	6329 7768 9207 0645 2082	6473 7912 9350 0788	6617 8056 9494 0932 2370	6761 8200 9638 1076	6905 8343 9782 1220	7048 8487 9926 1363	6 86 7 101 8 115 9 130
22 23 24 25 26		4381 5818 7254 8689	4525 5961 7397 8833	4669 6105 7541 8976	4812 6249 7684 9120	6392 7828 9263	5100 6536 7972 9407	3807 5243 6679 8115 9550	5387 6823 8259 9694	6967 8402 9837	5674 7110 8546 9981	-
27 28 29 30 3031		1559 2993 4426 5859	1702 3136 4570 6003	3279 4713 6146	1989 3423 4856 6289	2132 3566 5000 6432	2276 3710 5143 6576	0985 2419 3853 5286 6719	2563 3996 5429 6862	2706 4140 5573 7005	2849 4283 5716 7149	
32 33 34 35 36	482	8724 0156 1587 3018	8867 0299 1730 3161	1873 3304	9154 0585 2016 3447	9297 0728 2159 3590	9440 0871 2302 3733	8151 9583 1015 2445 3876	9726 1158 2589 4019	9869 1301 2732 4162	0013 1444 2875 4305	
37 38 39 40 3041	483	5878 7307 8736 0164	6021 7450 8879 0307	4734 6164 7593 9022 0450	6307 7736 9164 0593	6449 7879 9307 0735	6592 8021 9450 0878	5306 6735 8164 9593 1021	6878 8307 9736 1164	7021 8450 9879 1307	$7164 \\ 8593 \\ \hline 0021 \\ 1449$	143 1 14 2 29 3 43 4 57 5 72
42 43 44 45 46 47		3020 4446 5873 7299	3162 4589 6016 7442	1878 3305 4732 6158 7584 9010	3448 4874 6301 7727	3590 5017 6443 7869	3733 5160 6586 8012	2449 3876 5302 6729 8154 9580	4018 5445 6871 8297	4161 5588 7014 8439	4304 5730 7156 8582	6 86 7 100 8 114 9 129
48 49 3050	484	0150 1574	$0292 \\ 1717$	0435 1859	$\begin{array}{c} 0577 \\ 2002 \end{array}$		0862 2286	1004 2429 3853	$\frac{1147}{2571}$	1289 2714	1432 2856	

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56 57 58 59 60 3061	2954 4375 5795 7214	3096 4517 5937 7356 8775	4659 6079 7498 8917	3381 4801 6221 7640 9059	3523 4943	3665 5085 6505 7924 9343	5227 6647 8066 9484	3949 5369 6788 8208	5511 6930 8350 9768	4233 5653 7072 8491 9910	142 1 14 2 28 3 43 4 57 5 71 6 85
62 63 64 65 66	1470 2888	1612 3029 4446	1754 3171 4588 6005	1895 3313 4730		2179 3596 5013	$\begin{array}{c} 2321 \\ 3738 \end{array}$	2462	2604 4021 5438 6855	2746 4163 5580	7 99 8 114 9 128
67 68 69 70	7138 8554 9969 487 1384	$7279 \\ 8695 \\ \hline 0110 \\ 1525$	$7421 \\ \underline{8837} \\ \overline{0252} \\ 1667$	$7563 \\ 8978 \\ \hline 0393 \\ 1808$	$7704 \\ 9120 \\ \hline 0535 \\ 1950$	$7846 \\ 9261 \\ \hline 0676 \\ 2091$	$7987 \\ \underline{9403} \\ 0818 \\ 2232$	$8129 \\ \underline{9544} \\ 0959 \\ 2374$	$8270 \\ \underline{9686} \\ 1101 \\ 2515$	$8412 \\ \underline{9827} \\ 1242 \\ 2657$	-
3071 72 73 74 75	5626 7039 8451	4353 5767 7180 8592	3081 4495 5908 7321 8734	4636 6050 7462 8875	6191 7604 9016	4919 6332 7745 9157	6473 7886 9299	9440	5343 6756 8169 9581	5484 6897 8310 9722	
76 77 78 79 80	488 1275 2686	1416 2827 4238	$\frac{2968}{4379}$	1698 3109		1981 3392 4802 6212	2122 3533 4943 6353	6494	2404 3815 5225 6635	2545 3956	141
3081 82 83 84 85	8326 9735 4891144	8467 9876	$\begin{array}{c} \overline{0017} \\ 1425 \end{array}$	$\frac{8749}{0158}$		$\frac{9031}{0440}$ $1848$	$7763 \\ \underline{9172} \\ 0580 \\ 1989 \\ 3396$	$7904 \\ 9313 \\ \hline 0721 \\ 2129 \\ 3537$	$\begin{array}{c} 9454 \\ \hline 0862 \\ 2270 \end{array}$	$8185 \\ \underline{9594} \\ 1003 \\ 2411 \\ 3818$	2 28 3 42 4 56 5 71 6 85 7 99
86 87 88 89 90	5366 6773 8179	5507 6914 8320	4241 5648 7054 8460 9866	5788 7195 8601	7335 8741	6070		$4944 \\ 6351 \\ 7757 \\ 9163 \\ \hline 0569$	6492 7898 9304	6632 8038	8 113 9 127
3091 92 93 94 95	3799 5203	$\begin{array}{c} 2535 \\ 3940 \end{array}$	2676 4080 5484	$\begin{array}{c} 2816 \\ 4220 \end{array}$	4361	3097 4501 5905		1973 3378 4782 6186 7589	$\begin{array}{c} 4922 \\ 6326 \end{array}$	5063	
96 97 98 99 3100	9412 491 0814 2216	9552 $0954$ $2356$	8290 9693 1094 2496 3897	$9833 \\ 1235 \\ 2636$	9973 1375 2776	0113 $1515$ $2916$	$\begin{array}{r} 8851 \\ \hline 0253 \\ 1655 \\ 3057 \\ 4457 \end{array}$		0534 $1935$ $3337$	3477	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3100 01 02 03 04 05	6418 7818	5158 6558 7958 9357	5298 6698 8098 9497	5438 6838 8238 9637	6978 8378	5718 7118 8517 9917	$5858 \\ 7258 \\ 8657 \\ \hline 0057$	$\begin{array}{c} 4597 \\ 5998 \\ 7398 \\ \underline{8797} \\ 0196 \\ 1595 \end{array}$	$\begin{array}{c} 6138 \\ 7538 \\ \underline{8937} \\ 0336 \end{array}$	$6278 \\ 7678 \\ 9077 \\ \hline 0476$	140 1 14 2 28 3 42 4 56
06 07 08 09 10	3413 4810 6207	2154 3552 4950 6347 7744	3692 5090 6487	$3832 \\ 5229 \\ 6626$	5369 6766	4111 5509 6906	4251 5648 7045	2993 4391 5788 7185 8581	4531 5928 7325	4670 6068 7464	5 70 6 84 7 98 8 112 9 126
3111 12 13 14 15	493 0396 1791 3186	1931	$0675 \\ 2070 \\ 3465$	$0815 \\ 2210 \\ 3604$	0954 2349 3744	1094 2489 3883	$1233 \\ 2628 \\ 4023$	9977 1373 2768 4162 5556	1512 $2907$ $4302$	1652 3047 4441	
16 17 18 19 20	7368 8761 494 0154	6114 7507 8900 0293 1685	7647 9040 0432	7786 9179 0571	7925 9318 0711	8065 9457 0850	8204 9597 0989	6950 8343 9736 1128 2520	8483 9875 1268	$\frac{8622}{0015} \\ 1407$	
3121 22 23 24 25	4329 5720 7110	3077 4468 5859 7249 8639	4607 5998 7388	4746 $6137$ $7527$	4885 6276 7666	5024 6415 7805	5164 6554 7944	3912 5303 6693 8083 9473	5442 6832 8222	5581 6971	139 1 14
26 27 28 29 30	495 1279 2667 4056	0029 1418 2806 4194 5582	1557 2945 4333	1695 $3084$ $4472$	1834 3223 4611	1973 3362 4750	2112 3500 4888	0862 2251 3639 5027 6415	2390 3778 5166	2529 3917 5305	2 28 3 42 4 56 5 70 6 83 7 97
3131 32 33 34 35	8218 9604 496 0990	6969 8356 9743 1128 2514	8495 9881 1267	$\begin{array}{r} 8634 \\ \hline 0020 \\ 1406 \end{array}$	$\frac{8772}{0158} \\ 1544$	$\frac{8911}{0297}$ 1683	$\frac{9049}{0436}$	$7802 \\ \underline{9188} \\ \overline{0574} \\ 1960 \\ 3345$	$\frac{9327}{0713}$	$\begin{array}{r} 9465 \\ \hline 0851 \\ 2237 \end{array}$	8 111 9 125
36 37 38 39 40	5145 6529 7913	3899 5284 6668 8052 9435	5422 6806 8190	5560 6945 8328	5699 7083 8467	5837 7221 8605	5976 7360 8743	$4730 \\ 6114 \\ 7498 \\ 8882 \\ \hline 0265$	6253 7636 9020	6391 7775 9158	
3141 42 43 44 45	3444 4825	0818 2200 3582 4964 6345	2338 3720 5102	$2476 \\ 3858 \\ 5240$	2615 3996 5378	2753 4135 5516	2891 4273 5654	1647 3029 4411 5792 7173	3167 4549 5930	3306 4687 6068	
46 47 48 49 3150	8967 498 0347 1727	9105 0485 1865	$9243 \\ 0623 \\ 2002$	$9381 \\ 0761 \\ 2140$	8139 9519 0899 2278 3657	9657 $1037$ $2416$	9795 1175 2554	8553 9933 1313 2692 4071	0071 $1451$ $2830$	0209 $1589$ $2968$	138

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3150 51 52 53 54	5869 7240 8613	4622 2 6000 7377 7 8755	4760 6138 7515 8892	4897 6275 7653 9030	5035 6413 7791 9168	5173 6551 7928 9305	6689 8066 9443	5449 6826 8204 9581	6964 8341 9718	7102 8479 9856	138 1 14 2 28 3 41 4 55
55 56 57 58 59	499 1370 2740 4121 5490	1 0131 0 1508 5 2883 1 4259 5 5634 1 7008	1645 3021 4396 5771	$3158 \\ 4534 \\ 5909$	1920 3296 4671 6046	3434 4809 6184	2196 3571 4946 6321	0957 2333 3709 5084 6459 7833	3846 5221 6596	3984 5359 6733	5 69 6 83 7 97 8 110 9 124
60 3161 62 63 64 65	824 961 500 099 236	5 8382 9 9756	8520 9893 1267 2639	$\begin{array}{r} 8657 \\ \hline 0031 \\ 1404 \\ 2777 \end{array}$	$\begin{array}{r} 8794 \\ \hline 0168 \\ 1541 \\ 2914 \end{array}$	$\begin{array}{r} 8932 \\ \hline 0305 \\ 1678 \\ 3051 \end{array}$	$\begin{array}{c} 9069 \\ \hline 0443 \\ 1816 \\ 3188 \end{array}$	$\begin{array}{c} 9207 \\ \hline 0580 \\ 1953 \\ 3325 \\ 4698 \end{array}$	$\begin{array}{r} 9344 \\ \hline 0717 \\ 2090 \\ 3463 \end{array}$	$\begin{array}{r} 9481 \\ \hline 0855 \\ 2227 \\ 3600 \end{array}$	
66 67 68 69 70	5109 648 785	9 5246 1 6618 2 7989 2 9359	5383 6755 8126 9496	5521 6892 8263 9634	5658 7029 8400 9771	5795 7166 8537 9908	$5932 \\ 7303 \\ 8674 \\ \hline 0045$	6069 7440 8811	$6206 \\ 7578 \\ \underline{8948} \\ 0319$	$6344 \\ 7715 \\ 9085 \\ \hline 0456$	137 1 14 2 27
3171 72 73 74 75	196: 333 470	2 2099 2 3469 1 4838 9 6206	2236 3606 4974	2373 3743 5111 6480	2510 3879 5248 6617	2647 4016 5385 6753	2784 4153 5522 6890		3058 4427 5796 7164	3195 4564 5932 7301	2 27 3 41 4 55 5 69 6 82 7 96 8 110
76 77 78 79 80	880 502 017 153 290	5 8942	9078 0446 1812 3178	9215 0582 1949 3315	9352 0719 2086 3452	$0856 \\ 2222 \\ 3588$	0992 2359 3725	9762 1129 2495 3861 5227	1266 2632 3998	1402 2769 4135	9 123
3181 82 83 84 85	836	2 7138 6 8503 1 9867	$\frac{8639}{0003}$	$\begin{array}{r} 7411 \\ \underline{8776} \\ \overline{0140} \end{array}$	$7548 \\ 8912 \\ \hline 0276$	$7684 \\ 9049 \\ \hline 0413$	$7821 \\ 9185 \\ \hline 0549$	$6592 \\ 7957 \\ 9321 \\ \hline 0685 \\ 2049$	$8093 \\ 9458 \\ \hline 0822$	$8230 \\ \underline{9594} \\ \overline{0958}$	
86 87 88 89 90	382 518	8 2594 1 3957 3 5319 5 6681 7 8043	4093 5456	4229 5592 6954	4366 5728 7090	4502 $5864$ $7226$	4638 6000 7362	3412 4774 6137 7498 8860	4911 6273 7635	5047 6409	
3191 92 93 94 95	504 062 198	9 2125 $9 3485$	0901 2261	1037 $2397$ $3757$	1173 $2533$ $3893$	1309 2669 4029	1445 2805 4165	1581 2941 4301	1717 3077 4437	0493 1853 3213 4573 5932	136
96 97 98 99 3200	742 878 505 014		7698 9056 0414	7834 9192 0550	7970	8106 9464 0821	8241 9599 0957	8377 9735 1093	8513 9871 1228	$\begin{array}{r} 7291 \\ 8649 \\ \hline 0007 \\ 1364 \\ 2721 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3200 01 02 03 04 05	4213 5569 6925	2992 4349	4485 5841 7196	4620 5976 7332	3399	2178 3535 4891 6247 7603 8958	3671 5027 6383 7738	$3806 \\ 5163 \\ 6518$	3942	5434 6790 8145	136 1 14 2 27 3 41 4 54
06 07 08 09 10	506 0990 2344 3697 5050	2479 3833 5186	1260 2614 3968 5321	1396 2750 4103 5456	4238 5591	1667 3020 4374 5727	3156 4509 5862	1937 3291 4644 5997	3426 4780 6133	2208 3562 4915 6268	5 68 6 82 7 95 8 109 9 122
3211 12 13 14 15	7755 9107 507 0459 1810	9242	8026 9378 0729 2080	8161 9513 0864 2215	8296 9648	1134	$1269 \\ 2620$	$\frac{8702}{0053}$	$\begin{array}{c} 1540 \\ 2890 \end{array}$	1675	
17 18 19 20 3221	4511 5860 7210 8559	$ 4646 5995 7345 8694  \overline{0042} $	4781 6130 7480 8828	4916 6265 7614 8963	5051 6400 7749	5186 6535 7884 9233	5321 6670 8019 9368	$5456$ $6805$ $8154$ $9503$ $\overline{0851}$	5590 6940 8289 9638	5725 7075 8424	135 1 14 2 27 3 41 4 54
22 23 24 25 26	3950 5297 6644	2738 4085 5432 6778	2873 4220 5567 6913	3007 4354 5701 7047	3142 4489 5836 7182	4624 5970 7317	3411 4758 6105 7451	2199 3546 4893 6240 7586	3681 5028 6374 7720	3816 5163 6509 7855	5 68 6 81 7 95 8 108 9 122
27 28 29 30 3231	9335 509 0680 2025 3370	2160 3504	9604 0949 2294 3638	9739 1084 2429 3773	9873 1218 2563 3907	0008 1353 2697 4042	2832 4176	0277 1622 2966 4310	3101 4445	0546 1891 3235 4579	
32 33 34 35 36 37	6057 7400 8743 510 0085		6326 7669 9011 0354	7803 9146	7937 9280	6729 8072 9414 0756	6863 8206 9548	8340 9682 1024	7132 8474 9817	7266 8609 9951 1293	
38 39 40 3241 42	2768 4109 5450 6790	2903 4244 5584 6924 8264	3037 4378 5718 7058	3171 4512 5852 7192	3305 4646 5986	3439 4780 6120	3573 4914 6254 7594	3707 5048 6388	3841 5182 6522		134 1 13 2 27 3 40 4 54
43 44 45 46 47	9469 511 0808 2147 3485	9603	9737 1076 2415 3753	9871 1210 2548 3887	$     \begin{array}{r}       0005 \\       1344 \\       2682 \\       4020     \end{array} $	0139 1478 2816 4154	0273 1612 2950 4288	0407 1745 3084	0541 1879 3218 4555	0675 2013 3351 4689	5 67 6 80 7 94 8 107 9 121
48 49 3250	6160 7497	6294 7631 8967	$6428 \\ 7764$	6561 7898	$\frac{6695}{8032}$	6829 8165	$6962 \\ 8299$	7096 8433 9769	7230 8566	7363 8700	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3250 51 52 53 54 55	2841 4175	$\begin{array}{c} 0303 \\ 1639 \end{array}$	0437 $1772$ $3108$ $4442$	$0570 \\ 1906 \\ 3241$		3508 4843	0971 2307 3642 4976	1105	5243	1372 2707 4042 5377	
56 57 58 59 60	6844 8178 9511 513 0844	6977 8311 9644	7111 8444 9777 1110	7244	$\begin{array}{c} \overline{0044} \\ 1377 \end{array}$	$\frac{8844}{0177}$ 1510	$\begin{array}{c} \overline{0311} \\ 1643 \end{array}$	$7778 \\ \underline{9111} \\ 0444 \\ 1776 \\ 3108$	$\begin{array}{c} \overline{0577} \\ 1910 \end{array}$	$\begin{array}{c} 9377 \\ \hline 0710 \\ 2043 \end{array}$	
3261 62 63 64 65	4840 6171 7502 8832	4973 6304 7635 8965	7768 9098	5239 6570 7901 9231	5372 6703 8034 9364	5505 6836 8167 9497	5638 6969 8300 9630	4440 5771 7102 8433 9763	5905 7235 8566 9896	$6038 \\ 7368 \\ 8699 \\ \hline 0029$	133 1 13 2 27 3 40 4 53 5 67
66 67 68 69 70	2820 4149 5478	1624 2953 4282 5610	1757 3086 4415 5743	1890 3219 4548 5876	2023 3352 4681 6009	2156 3485 4813 6142	2289 3618 4946 6274	1093 2422 3751 5079 6407	2555 3883 5212 6540	2688 4016 5345 6673	6 80 7 93 8 106 9 120
3271 72 73 74 75 76	8133 9460 515 0787 2113	8266 9593 0919	2378	8531 9858 1185	8664 9991 1317	$0\overline{123} \\ 1450 \\ 2776$	$\overline{02}\overline{56}$	$\begin{array}{c} 9062 \\ \hline 0389 \\ 1715 \\ 3041 \end{array}$	$\overline{0521}$	$\begin{array}{r} 9327 \\ \hline 0654 \\ 1980 \end{array}$	
77 78 79 80	4764 6089 7414 8738	4897 6222 7547 8871	5029 6354 7679 9003	5162 6487 7811 9136	5294 6619 7944 9268	5427 6752 8076 9400	5560 6884 8209 9533	5692 7017 8341 9665	5825 7149 8474 9798	5957 7282 8606 9930	
3281 82 83 84 85 86	2709 4031 5354	1518 2841 4164 5486	1650 2973 4296 5618	1783 3106 4428 5750	1915 3238 4560 5883	2047 3370 4693 6015	2180 3502 4825 6147	6279	2444	2577 3899 5222 6543	132 1 13 2 26 3 40 4 53 5 66
87 88 89 90	7997 9318 517 0639 1959	8129 9450 0771 2091	2223	8393 9714 1035 2355	9846 1167 2487	8658 9978 1299 2619	$0111 \\ 1431 \\ 2751$	$\begin{array}{r} 8922 \\ \hline 0243 \\ 1563 \\ 2883 \end{array}$	$\begin{array}{r} 9054 \\ \hline 0375 \\ 1695 \\ 3015 \end{array}$	$\frac{9186}{0507}$ $1827$ $3147$	6 79 7 92 8 106 9 119
3291 92 93 94 95	4598 5917 7236 8554	4730 6049 7368 8686	3543 4862 6181 7500 8818	4994 6313 7631 8950	5126 6445 7763 9081	5258 6577 7895 9213	5390 6709 8027 9345	9477	5654 6972 8291 9608	5785 7104 8422 9740	
96 97 98 99 3300	518 1189 2507 3823	1321 $2638$ $3955$	0136 1453 2770 4086 5403	1585 $2902$ $4218$	1716 3033 4350	1848 3165 4481	1980 3297 4613	0794 2111 3428 4745 6061	2243 $3560$ $4876$	2375 3692 5008	

1 42

444.7

No.	0	1	2	3	4	5	6	7	8	9	Diff
3300 01 02 03 04 05	7771 9086 519 0400	6587 7902 9217	6718 8034 9349 0663	8165 9480 0795	6981 8297 9612 0926	7113 8428 9743 1058	7245 8560 9875 1189	$6061 \\ 7376 \\ 8691 \\ \hline 0006 \\ 1320 \\ 2634$	$7508 \\ 8823 \\ \hline 0137 \\ 1452$	$7639 \\ 8954 \\ \hline 0269 \\ 1583$	131
06 07 08 09 10	4342 5655 6968	3160 4473 5786 7099 8411	4605 5918 7230	4736 6049 7361	4867 6180 7493	4999 6311 7624	5130 6443 7755	3948 5261 6574 7886 9198	5392 6705 8018	5524 6836 8149	1 1 2 2 3 3 4 5 5 6 6 7
3311 12 13 14 15	520 0903 2214 3525	9723 1034 2345 3656 4966	1166 2477 3787	1297 2608 3918	1428 2739 4049	1559 2870 4180	1690 3001 4311	$     \begin{array}{r}       \hline       0510 \\       1821 \\       3132 \\       4442 \\       5752     \end{array} $	1952 $3263$ $4573$	2083 3394 4704	7 9 8 10 9 11
16 17 18 19 20	7455 8764 521 0073	6276 7586 8895 0203 1512	7717 9026 0334	7847 9156 0465	7978 9287 0596	8109 9418 0727	$8240 \\ 9549 \\ 0858$	7062 8371 9680 0988 2296	8502 9811 1119	8633 9942 1250	
3321 22 23 24 25	3996 5303 6610	2820 4127 5434 6741 8047	4258 5565 6871	4388 5695 7002	4519 5826 7133	4650 5957 7263	4781 6088 7394	3604 4911 6218 7525 8831	5042 6349 7655	5173 6479 7786	
26 27 28 29 30	522 0528 1833 3138	9353 0659 1964 3268 4573	0789 2094 3399	$0920 \\ 2225 \\ 3529$	1050 2355 3660	1181 2486 3790	1311 $2616$ $3921$	0136 1442 2747 4051 5355	1572 2877 4181	1703 3007 4312	10
3331 32 33 34 35	7050 8353	5877 7180 8483 9786 1089	7311 8614 9916	$7441 \\ 8744 \\ \hline 0047$	7571 8874	$\frac{7702}{9005} \\ \hline 0307$	$7832 \\ \underline{9135} \\ \overline{0437}$	6659 7962 9265 0568 1870	$8093 \\ \underline{9395} \\ \overline{0698}$	$\frac{9526}{0828}$	130 1 1 2 2 3 3 4 8 5 6
36 37 38 39 40	3562 4863 6164	2391 3692 4993 6294 7595	3822 5124 6424	3952 5254 6554	4083 5384 6684	4213 5514 6814	4343 5644 6945	3172 4473 5774 7075 8375	4603 5904 7205	4733 6034 7335	6 7 8 10 9 11
3341 42 43 44 45	524 0064 1364 2663	8895 0194 1494 2793 4091	0324 $1624$ $2922$	$0454 \\ 1753 \\ 3052$	0584 1883 3182	0714 2013 3312	0844 $2143$ $3442$	9675 0974 2273 3572 4870	1104 2403 3702	1234 2533 3831	
46 47 48 49	5259 6557 7854	5389 6687 7984	5519 6817 8114	5649 6946 8244	5779 7076	5908 7206 8503	6038 7336 8633	6168 7465 8762	6298 7595	6427 7725 9022	

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No.		0	1	2	3	4	5	6	7	8	9	Diff.
3350			0578					1226				
51			1874					2522				
52			3170 4465					3817 5113				
53 54			5760					6407				
55			7055					7702				
56			8349				8867	8996	9125	9255	9384	
57			9643					$\overline{0290}$				
58			0936					1583				
59			2229					2876				
60			3522					4168			4556	
3361			4814					5460				100
62			61.06 7398					6752 8043				129
63 64			8689					9334				2 26
65			9980					$\overline{0625}$			$\overline{1012}$	3 39
66			1270				1786	1915	2044	2173	2302	4 52 5 65
67			2560					3205				6 77
68			3850					4494				7 90
69			5139					5783				8 103 9 116
70	1		6428					7072				110
3371			7716					8360				
72			$9004 \\ 0292$				9520 0807					
73	1		1579					2223				
75			2866					3510				
76		4024	4153	4282	4410	4539	4668	4796	4925	5053	5182	
77	1		5439					6082				
78		6596	6725	6854	6982	7111		7368				
79	1		8010					8653				
80			9295					9938				
3381			0580					1222				
82			1864 3148					2506 3790				
83 84	10					4817		5074				
85			5715					6356		6613		
86		6870	6998	7126	7254	7383	7511	7639	7767	7896	8024	
87			8280					8921				
88						9947		0203				
89	530					1228		1485				
90						2509		2766				
3391						3790		4046				
92						5071 6351		5327 6607				
94			7246					7886				100
95			8526					9165				128
96		9677	9805	9933	0060	0188	0316	0444	0572	0700	0828	
97	531	0955	1083	1211	1339	1467		1722				
98						2745		3001				
99						4023		4278				
3400		4199	4917	0040	5172	5300	5428	9990	0003	9911	0939	1 "

No.		0	1	2	3	4	5	6	7	8	9	Diff.
3400	531	6066	4917 6194	6322		5300 6577		6832	5683 6960	7088	5939 7215	128
02		8619	7471 8747	8875	9002	9130	9258	9385	9513		9768	1 13 2 26 3 38
04 05	532	9896 1171	0023 $1299$	$0151 \\ 1426$						$0916 \\ 2191$		4 51 5 64
06 07			$2574 \\ 3849$						3339 4614	3466 4741	3594 4868	6 77 7 90
08		6270	5123 6397	6525	6652	6780	6907	7034	7162	$6015 \\ 7289$	7416	8 102 9 115
10 3411			7671 8945							8563 9836		
12 13	533		$0218 \\ 1490$							1108 2381		
14 15			2762 4034			3144 4416				$\frac{3653}{4924}$		
16 17			5306 6577						6068 7339	6196 7466	6323 7594	
18 19			7848 9118							$\frac{8737}{0007}$		
20 3421	534		0388 1658					1023 2292	1150 2419	1277 2546	1404 2673	127
22 23		2800	2927 4196	3054	3181	3308	3435	3561	3688	3815 5084	3942	2 25 3 38
24 25			5464 6733							$6352 \\ 7620$		4 51 5 64
26 27			8000 9268					8634 9901		$\frac{8888}{0155}$	$\frac{9014}{0281}$	6 76 7 89 8 102
28 29	535	0408	0535 1802	0662	0788	0915	1042	1168	1295	1422 2688	1548	9 114
30 3431			3068 4334							3954 5220	4081	
32 33		5473	5599 6865	5726	5852	5979	6105	6232	6359	6485 7750	6612	
34 35		8003	8129 9394	8256	8382	8509	8635		8888	$\frac{9015}{0279}$	9141	
36 37	536		0658 1922			1037	1163 2427			1543 2806		
38 39		3059	3185 4448	3311	3438	3564	3690 4953	3817	3943	4069	4195	
40 3441		5584	5711 6973	5837	5963	6089	6216 7478	6342	6468	6594 7856	6721	
42		8109	8235 9496	8361	8487	8613	$\frac{8739}{0001}$	8866	8992	$\frac{9118}{0379}$	9244	
44 45	537	0631	0758 2018	0884	1010	1136	1262	1388	1514	1640 2901	1766	126
46 47		3153	3279 4539	3405	3531	3657		3909	4035	4161	4287	
48			5799		6050	6176	6302	6428	6554	5421 6680 7939	6806	
3450			8317				8820					

		-			4	-				_	Dia
No.	. 0	1	2	3	4	5	6	7	8	9	Diff.
3450	537 8191		8443 9701				$\frac{8946}{0205}$		$\frac{9198}{0456}$	$\frac{9324}{0582}$	126
52	538 0708				1211	1337		1588		1840	1 13
53		2092			2469	2595		2846		3098	2 25
54 55		3349 4606	3475 4732		3726	3852		4103	4229	4355	3 38 4 50
56		5863	5989		4983 6240	5109		5360	5486	5612	5 63
57		7119		7371	7496	6366 7622	6491 7747	6617 7873	6743 7999	6868 8124	6 76 7 88
58			8501			8878			9255		8 101
59			9757		0008	0133			0510		9 113
60	539 0761			1138	1263	1389		1640		1891	
3461 62			$\frac{2267}{3522}$		2518	2643 3898		2894	3020 4274		
63		4650		4901		5152			5528		125
64	5779	5904	6030	6155	6280	6406	6531		6782	6907	1 13
65		7158		7408		7659	7784	7910	8035	8160	2 25 38
66			8536			8912	$\frac{9037}{00000}$		9288	$\frac{9413}{0000}$	4 50
67 68	540 0791		9789	9914		1417		1667	0540	1918	6 75
69		2168		2419		2669			3044		7 88
70	3295	3420	3545	3670	3795	3920	4046	4171	4296	4421	8 100 9 113
3471		4671		4921		5172	5297		5547	5672	0 110
72			$6047 \\ 7298$	$6172 \\ 7423$	$6297 \\ 7548$	6423 7673	6548 7798	6673 7923		6923	
73 74			8548			8923	9048	9173	9298	8173 9423	
75			9798				0298	$\overline{0423}$	0548	$\overline{0673}$	
76	541 0798	0923	1048	1172	1297	1422	1547	1672	1797	1922	
77			2297						3046		
78 79		4669	3546 4794	4919			4045 5293		5543	4419	
80			6042		6292				6791		
3481	7040	7165	7290	7415	7539	7664	7789	7913	8038	8163	
82			8537		8787		$\frac{9036}{2000}$	$\frac{9161}{0407}$	$\frac{9285}{0.500}$	9410	
83 84	542 0781		9784	1155		0158		0407 1654	$0532 \\ 1779$	0657 1903	
85			2277		2526		2775			3149	
86	3274	3398	3523	3648	3772	3897	4021	4146	4270	4395	
87			4769			5142			5516		
88		7134	6014	7383	7508	6387 $7632$	6512 7756	7881	6761 8005		-
90			8503						9250		
3491	9498	9623	9747	9872	9996	0120	$\overline{0245}$	0369	$\overline{0494}$	$\overline{0618}$	
92	543 0742			1115		1364	1488		1737	1862	
93 94		2110	2235 3478	2359 3602	$\frac{2483}{3726}$	2607 3850			$\frac{2980}{4223}$	3105 4348	
95		4596		4845	4969	5093	5217	5342	5466		
96	5714	5838	5963	6087	6211	6335	6460	6584	6708	6832	
97	6956	7081	7205	7329	7453	7577	7701	7826	7950	8074	
98	8198		8446	8571	8695	8819	8943	$\frac{9067}{0200}$	$\frac{9191}{0.122}$	$\frac{9315}{0556}$	124
3500	544 0680		9688 0929		$9936 \\ 1177$		$0184 \\ 1425$		$0432 \\ 1673$	$0556 \\ 1797$	
3000	022000		0020	2000		1001			20,0		

G 55

						_			_	^	Dim
No.	0	1	2	3	4	5	6	7	8	9	Diff.
3500	544 0680	0805 2045					$\begin{array}{c} 1425 \\ 2665 \end{array}$				124
02		3285					3905				1 12
03		4525					5145				2 25 37
04		5765 7004					6385 7624				4 50
06		8243					8862				5 62 6 74
07	9358	9481	9605	9729	9853	9977	0101	$\overline{0224}$	$\overline{0348}$	$\overline{0472}$	7 87
08	545 0596	$0720 \\ 1957$			1091		1339 2576				8 99 9 112
10		3195					3813				
3511		4432			4803		5050				
12		5669					6287				
13 14		6905 8141					7523 8759				
15	9253	9377	9500	9624	9747		9995				
16	546 0489						1230				
17		1847 3082					2465 3699				
19	4193	4316	4439	4563	4686	4810	4933	5056	5180	5303	
20		5550						6290			
$\begin{bmatrix} 3521 \\ 22 \end{bmatrix}$		6784 8017					7400 8633		7647 8880		
23	1	9250					9866		Belleville State of S	-	
24	547 0359							1222		1468 2700	
25 26		1714 2946					2330 3562				
27		4178					4793				
28		5409					6024				1
29 30		6640 7870					$7255 \\ 8485$		7501 8731		
3531		9100					9715				
32	548 0207						0945				
33		1559 $2788$					2174 3403				123
35		4017			4386		4631				1 12
36		5245					5859				2 25 37
37		6473 $7701$					7087 8315				4 49 5 62
39		8928					9542				6 74
40	549 0033						0769				7 86 8 98
3541		1382 2608					$\frac{1995}{3221}$				9 111
43		3834					4447				
44		5060					5672				
45		6285 7510			6652		6897 8122				
47		8734					9346			9714	
48	9836	9959	$\overline{0081}$	0203	$\overline{0326}$	0448	$\overline{0570}$	0693	$\overline{0815}$	0938	
3550	550 1060 2284				$\frac{1549}{2773}$		1794 3017		2039 $3262$		1
	2201	2100	2020	2001	2110	2000	3011	3110	3202	3001	1

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3550 51 52 53	4730 5952	3629 4852 6074	3751 4974 6197	3874 5096 6319	3996 5219 6441	4118 5341 6563	4240 $5463$ $6685$	3140 4363 5585 6808	$4485 \\ 5708 \\ 6930$	7052	
54 55 56 57	8396	9740	8640 9862	9984	$\frac{8885}{0106}$	$\frac{9007}{0228}$	$\frac{9129}{\overline{0350}}$	$8030$ $9251$ $\overline{0472}$ $1693$	$\frac{9373}{0594}$	$\frac{9495}{0717}$	122 1 12 2 24 3 37 4 49
58 59 60	2059 3280 4500	2181 3402 4622	2304 3524 4744	2426 3646 4866	2548 3768 4988	2670 3890 5110	2792 4012 5232	2914 4134 5354	3036 4256 5476	3158 4378 5598	4 49 5 61 6 73 7 85 8 98
3561 62 63 64 65	6939 8158	7061 8280 9499	5964 7183 8402 9621 0839	7305 8524	7427 8646 9864	7549 8768 9986	$\begin{array}{c} 7671 \\ \underline{8890} \\ \overline{0108} \end{array}$	$6573 \\ 7793 \\ 9011 \\ \hline{0230} \\ 1448$	$7914 \\ 9133 \\ \hline 0352$	$8036 \\ \underline{9255} \\ \overline{0474}$	9 110
66 67 68 69 70	3031 4248 5465	3153 4370 5587		3396 4614 5831	3518 4735	3640 4857 6074	3762 4979 6196	2666 3883 5100 6317 7534	$4005 \\ 5222 \\ 6439$	$4127 \\ 5344 \\ 6561$	
3571 72 73 74 75	9115 553 0330 1545	$9236 \\ 0452 \\ 1667$	8142 9358 0573 1789 3003	$9479 \\ 0695 \\ 1910$	9601 0816 2032	9722 $0938$ $2153$	9844		$\overline{0087}$	$ \begin{array}{r} \overline{0209} \\ 1424 \\ 2639 \end{array} $	
76 77 78 79 80	5189 6403 7617	5311 6525 7738	4218 5432 6646 7860 9073	5554 6767 7981	5675 6889 8102	5796 7010 8224	5918 7132 8345	4825 6039 7253 8466 9679	6161 7374 8588	6282 7496 8709	
3581 82 83 84 85	2468 3680	1377 2589 3801	0286 1498 2710 3922 5134	1620 2832 4044	1741	1862 3074 4286	1983 3195 4407	0892 2104 3316 4528 5740	2226 3438 4649	2347 3559 4770	
86 87 88 89 90	7314 8524	7435 8645 9856	7556 8766 9977	7677 8887	$\overline{02}\overline{19}$	$\begin{array}{r} 7919 \\ 9130 \\ \hline 0340 \end{array}$	$8040 \\ 9251 \\ \hline 0461$	$6951 \\ 8161 \\ 9372 \\ \hline 0582 \\ 1791$	$8282 \\ \underline{9493} \\ \overline{0703}$	$8403 \\ 9614 \\ \hline 0824$	121
3591 92 93 94 95	4572 5781	3484 4693 5902	2396 3605 4814 6022 7231	3726 4935 6143	3847 5056	2759 3968 5176 6385	2880 4089 5297	3001 4210 5418 6627	3121 4330 5539	3242 4451 5660	1 12 2 24 3 36 4 48 5 61 6 73
96 97 98 99 3600	9404 556 0612 1818	9525 $0732$ $1939$	$\begin{array}{c} 9646 \\ 0853 \\ 2060 \end{array}$	9767 0974 2180	8680 9887 1094 2301 3508	0008 $1215$ $2422$	0129 $1336$ $2542$	$\begin{array}{r} 9042 \\ \hline 0249 \\ 1456 \\ 2663 \\ 3869 \end{array}$	$\frac{9163}{0370}$ $1577$ $2784$	$\begin{array}{c} 9284 \\ \hline 0491 \\ 1698 \\ 2904 \end{array}$	7 85 8 97 9 109

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3600 01 02 03 04 05	556 3025 4231 5437 6643 7848 9053	4352 5558 6763 7968		4593 5799 7004 8209	4714 5919 7125	6040 7245 8450	6160	5075 6281 7486 8691	5196	6522 7727 8932	
06 07 08 09 10 3611	557 0257 1461 2665 3869 5072 6275	1582 2786 3989 5192	0498 1702 2906 4109 5313 6515	1823 3026 4230 5433	1943 3147	3267 4470 5673	2184 3387 4591 5794	4711	$\frac{2425}{3628}$	2545 3748 4952	
12 13 14 15 16	7477 8680	$\begin{array}{r} 7598 \\ \underline{8800} \\ 0002 \\ 1203 \end{array}$	7718 8920	$7838 \\ 9040 \\ \hline 0242 \\ 1443$	7958 9160 0362 1564 2765	$\begin{array}{r} 8079 \\ \underline{9281} \\ 0482 \end{array}$	$8199 \\ \underline{9401} \\ \overline{0602} \\ 1804$	$8319 \\ \underline{9521} \\ \overline{0723} \\ 1924$	8439 9641 0843 2044 3245	$\begin{array}{c} 8559 \\ \underline{9761} \\ \overline{0963} \end{array}$	
17 18 19 20 3621	3485 4686	3605 4806 6006 7206	$\frac{3725}{4926}$	$3845 \\ 5046 \\ 6246$	3965	4085 5286 6486	4205 5406 6606 7805	4325 5526 6726	4446	4566 5766	
22 23 24 25 26		$9604 \\ 0803 \\ 2002$	9724 0923 2122 3320	9844	9964 1163	$     \begin{array}{r}       0084 \\       1283 \\       2481 \\       3679     \end{array} $	$\begin{array}{c} \overline{0204} \\ 1403 \end{array}$	$\overline{0324}$ 1522 2721 3919	0444 1642 2840 4038 5236	$\overline{0563}$	120
27 28 29 30 3631	5476 6673 7870	5595 6792 7989 9186	5715 6912 8109 9306	5835 7032 8229 9425	5954 7152 8348 9545	6074 7271 8468	6194 7391 8588 9784	6314 7511 8707 9904	6433 7630 8827		2 24 3 36 4 48 5 60 6 72
32 33 34 35	1458 2654 3849 5044	1578 2774 3969 5164 6358	1698 2893 4088 5283	1817 3013 4208 5403	1937 3132 4327 5522	$2056 \\ .3252 \\ 4447$	2176 3371 4566 5761	2295 3491 4686	2415 3610 4805 6000	2534 3730 4925	7 84 8 96 9 108
37 38 39 40 3641	7433 8627	7552 8746 9940 1133	$\begin{array}{r} 7672 \\ 8866 \\ \hline 0059 \end{array}$	$7791 \\ 8985 \\ \hline 0179 \\ 1372$	7911	$8030 \\ 9224$	$8149 \\ \underline{9343} \\ \overline{0537} \\ 1730$	8269 $9463$ $0656$ $1849$ $3042$	$\begin{array}{c} 8388 \\ \underline{9582} \\ \overline{0775} \\ 1968 \end{array}$	$\begin{array}{c} 8508 \\ \underline{9701} \\ \overline{0895} \\ 2088 \end{array}$	
42 43 44 45	3399 4592 5784 6975	3519 4711 5903 7094	3638 4830 6022 7214	3757 4949 6141 7333	3876 5069 6260 7452	3996 5188 6380 7571	4115 5307 6499 7690	4234 5426 6618 7809	4353 5545 6737 7928	4472 5665 6856 8048	119
46 47 48 49 3650	562 0548 1739	9477 0667	$0786 \\ 1977$	9715 0905 2096	2215	9953 1144 2334	$\begin{array}{c} 1263 \\ 2453 \end{array}$	$\begin{array}{c} 9000 \\ \hline 0191 \\ 1382 \\ 2572 \\ 3761 \\ \end{array}$	2691		

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3650 51 52 53 54	5308	4237 5427 6616	3167 4356 5546 6734 7923	4475 5664	4594	7091			5070	7567	119 1 12 2 24 3 36
55 56 57 58 59	$2437 \\ 3624$	0181 1368 2556 3743	1487 2674 3861	0418 1606 2793 3980	2912 4099	1843 3031 4218	0775 1962 3149 4336	2081 3268 4455	3387 4574	1131 2318 3505 4692	4 48 5 60 6 71 7 83 8 95 9 107
60 3661 62 63 64 65	5997 7183 8369	6116 7302 8488 9673	9792	6353 7539 8725	6472 7658 8843	6590 7776 8962		6828 8013 9199	6946 8132 9318	$7065 \\ 8251 \\ \underline{9436} \\ 0621$	
66 67 68 69 70	1925 3109 4293	2043 3228 4412 5595		2280 3464 4648 5832	2398 3583 4767 5951	2517 3701 4885	2635 3820 5004 6187	2754 3938 5122 6306	2872 4056	2991 4175 5359	
3671 72 73 74 75	9027 565 0209 1392	0328	1628	9382 0564 1746	$\begin{array}{c} 0682 \\ 1864 \end{array}$	9618		9855 1037 2219	8790 9973 1155 2337 3519	1273 2455	
76 77 78 79 80	4936 6117 7298	6235 7416	3991 5173 6353 7534 8714	$5291 \\ 6471 \\ 7652$	5409	7888		5763 6944 8124	8242		118
3681 82 83 84 85	566 0838 2017 3196	$\begin{array}{c} 0956 \\ 2135 \end{array}$	$\begin{array}{c} 2253 \\ 3432 \end{array}$	$\begin{array}{c} 1192 \\ 2371 \end{array}$	1310 2489 3668 4846	1428 2607 3786 4964	0366 1545 2725 3903 5082	1663 2843 4021 5200	1781 2960 4139 5318	1899 3078 4257 5435	1 12 2 24 3 35 4 47 5 59 6 71
86 87 88 89 90	6731 7909 9087 567 0264		6967 8145 9322 0499	9440 0617	0734	7320 8498 9675 0852	6260 7438 8616 9793 0970	7556 8733 9911 1087	$7674 \\ \underline{8851} \\ \overline{0028} \\ 1205$	$7791 \\ \underline{8969} \\ 0146 \\ 1323$	7 83 8 94 9 106
3691 92 93 94 95	2617 3793	2735 3911 5086	4028 5204 6379	2970 4146 5322 6497	3087 4263 5439 6615	3205 4381 5557 6732	2146 3323 4499 5674 6850	3440 4616 5792 6967	3558 4734 5909 7085	3675 4851 6027 7202	
96 97 98 99 3700	8495 9669 5680843	0961	7555 8729 9904 1078 2252	$\begin{array}{r} 8847 \\ \hline 0021 \\ 1196 \end{array}$	1313	$\frac{9082}{0256}$ 1430	$8025 \\ \underline{9199} \\ \overline{0374} \\ 1548 \\ 2721$	$\frac{9317}{0491}$ 1665	$\begin{array}{r} 9434 \\ \hline 0608 \\ 1782 \end{array}$	$\begin{array}{c} 9552 \\ \hline 0726 \\ 1900 \end{array}$	

No.	(	)	1	2	3	4	5	6	7	8	9	Diff.
3700 01 02 03 04 05	43 55 67	91 64 37 10	2135 3308 4481 5654 6827 7999	3426 4599 5772 6944	3543 4716 5889	3660 4833 6006 7179	3778 4951 6123 7296	3895 5068 6241 7413	2839 4012 5185 6358 7530 8703	4130 5303 6475 7648	4247 5420 6593 7765	
06 07 08 09 10	569 02 13 25	26 97 68	9171 0343 1514 2685 3856	$0460 \\ 1631 \\ 2803$	0577 1749 2920	0694 1866 3037	0812 1983	$\begin{array}{c} 2100 \\ 3271 \end{array}$	1046 2217 3388	$\begin{array}{c} 2334 \\ 3505 \end{array}$	1280 $2451$ $3622$	
3711 12 13 14 15	60 72 84 95	80 49 19 88	5027 6197 7366 8536 9705	6314 7483 8653 9822	6431 7600 8770 9939	6548 7717 8887 0056	$6665 \\ 7834 \\ \underline{9004} \\ 0173$	$6782 \\ 7951 \\ \underline{9121} \\ 0290$	5729 6899 8068 9237 0406	$7016 \\ 8185 \\ 9354 \\ 0523$	$7133 \\ 8302 \\ 9471 \\ \hline 0640$	117 1 12 2 23 3 35 4 47
16 17 18 19 20	30 42 54	26 94 62 29	2042 3211 4379 5546	2159 3327 4495 5663	2276 3444 4612 5780	2393 3561 4729 5896	2510 3678 4846 6013	2627 3795 4962 6130	1575 2743 3911 5079 6247	2860 4028 5196 6363	2977 4145 5313 6480	5 59 6 70 7 82 8 94 9 105
3721 22 23 24 25 26	77 89 571 00 12	64 30 97 63	6713 7880 9047 0213 1379 2545	7997 9164 0330 1496	8114 9280 0447 1613	8230 9397 0563 1729	8347 9514 0680 1846	8464 9630 0796 1962	7414 8580 9747 0913 2079 3244	8697 9863 1030 2195	8814 9980 1146 2312	
27 28 29 30	35 47 59 70	594 59 024 088	3710 4876 6040 7205 8369	3827 4992 6157 7321	3943 5109 6273 7438	4060 5225 6390 7554	4177 5341 6506 7670	4293 5458 6623	4410 5574 6739 7903	4526 5691 6855 8020	4643 5807 6972 8136	
3731 32 33 34 35	572 05 17 29	116 580 743 906	9533 0696 1859 3022	9649 0813 1976 3139	9765 0929 2092 3255	9882 1045 2208 3371	9998 1162 2325 3487	0115 1278 2441 3604	$\begin{array}{c} \hline 0231 \\ 1394 \\ 2557 \\ 3720 \\ \end{array}$	1511 2674 3836	0464 1627 2790 3952	
36 37 38 39 40	52 63 75 87	231 393 555 716	4185 5347 6509 7671 8832 9993	5463 6625 7787 8948	5580 6742 7903 9064	5696 6858 8019 9180	5812 6974 8135 9297	5928 7090 8252 9413	4882 6044 7206 8368 9529	6161 7322 8484 9645	6277 7438 8600 9761	116 1 12 2 23 3 35 4 46
3741 42 43 44 45	573 10 21 33 45	038 198 358 518		1270 2430 3590 4750	1386 2546 3706 4866	1502 2662 3822 4982	1618 2778 3938 5098	1734 2894 4054 5214	0690 1850 3010 4170 5330	1966 3126 4286 5446	2082 3242 4402 5562	5 58 6 70 7 81 8 93 9 104
46 47 48 49 3750	68 79 91	337 996 L54	6953 8112 9270 0428	7069 8228 9386	7185 8343 9502	7301 8459 9618	7416 8575	7532 8691 9849	8807 9965	$7764 \\ 8923 \\ \hline 0081$	$\begin{array}{c} 7880 \\ 9039 \\ \hline 0197 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3750 51	574 0313	0428 1586				0892 2050		$\frac{1123}{2281}$		1355	
52		2744					3323				
53		3901					4480				
54		5058					5637		5868		
55		6215		6446			6793	6909		7140	
56 57		7371 8528		7603	7718		7950 9105	8065 9221	8181 9337	8296 9452	
58		9683					$\frac{3103}{0261}$			CORPORATION AND ADDRESS OF	
5.9	575 0723	0839	0954	1070		1301	1416	1532	1647	1763	
60	1878	1994	2109	2225	2340		2571	2687	2802		
3761		3149		3380			3726				
62		4303 5458			4650		4881 6035				
63 64		6612		6842	6958		7188		7419		
65		7765			8111		8342	8457	8573		
66	8803	8918	9034	9149	9264	9380	9495	9610	9726	9841	
67	9956	$\overline{0071}$	$\overline{0187}$	$\overline{0302}$			$\overline{0648}$				
68	576 1109				1570		1800				
69		2377 $3529$		2607	2722		2953 4105				
		4680		4911			5256			5602	115
3771 72		5832					6408				1 12 23
73		6983					7559				3 35
74	8019	8134	8249	8364	8479	8594	8709	8824	8939	9055	4 46
75	9170	9285	9400	9515	9630	9745	9860	9975	0090	$\overline{0205}$	5 58 69
76	577 0320						1010				7 81
77		1585					2160				8 92
78		2734 $3884$					3309 4458				9 104
80		5033					5607			5952	
3781	6067	6182	6296	6411	6526	6641	6756	6871	6986	7100	
82		7330				7789		8019			
83		8478					$\frac{9052}{00000}$			$\frac{9397}{9544}$	
84	578 0659	9626				0085 $1233$	1347	0315		$0544 \\ 1691$	
86		3 1921				2380		2609		2838	
87		3 3068					3641				
88		4214			4558		4788				
89		5 5 3 6 1					5934				
90		2 6507			6850		7080				
3791		7652					8225				
92		8798 $9943$			$\frac{9141}{0286}$		$\frac{9370}{0515}$			$\frac{9714}{0859}$	
94	579 097									2003	
95	211	3 2232	2347	2461	2576	2690	2804	2919	3033	3148	
96	326	2 3376	3491	3605	3720	3834	3948	4063	4177	4292	
97					4863					5435	
98		0.5664			6007					6579	
3800					8293					8864	
	1									0001	VI.

No.		0	1	2	3	4	5	6	7	8	9	Diff.
3800 01 02 03 04 05	580	8979 0121 1263	9093 0235 1377 2519	$9207 \\ 0350 \\ 1492$	9321 0464 1606	9436 0578 1720 2862	9550 0692 1834 2976	0806 1948 3090	8636 9778 0921 2063 3204 4346	9893 1035 2177 3318	$     \begin{array}{r}       \hline       0 \overline{0} \overline{07} \\       1149 \\       2291 \\       3432     \end{array} $	
06 07 08 09 10		6969 8110 9250	5943 7083 8224 9364	6057 7197 8338 9478	7312 8452 9592	6285 7426 8566 9706	6399 7540 8680 9820	6513 7654 8794 9934	5487 6627 7768 8908 0048	$6741 \\ 7882 \\ 9022 \\ \hline 0162$	$6855 \\ 7996 \\ \underline{9136} \\ 0276$	
3811 12 13 14 15 16		1529 2668 3807	0503 1643 2782 3921 5059 6197	1757 2896 4035 5173	1871 3010 4148 5287	$\begin{array}{c} 1985 \\ 3124 \end{array}$	2099 3238 4376	2212 3351 4490 5628	1187 2326 3465 4604 5742 6880	2440 3579 4718 5856	2554 3693 4832	
17 18 19 20 3821	582	7222 8359 9497 0634	7335 8473	7449 8587 9724 0861	7563 8700 9838 0975	7677 8814 9951 1088	$7790 \\ 8928 \\ \hline 0065 \\ 1202$	$7904 \\ 9042 \\ \hline 0179 \\ 1316$	8018 $9155$ $0293$ $1429$ $2566$	$8132 \\ \underline{9269} \\ \overline{0406} \\ 1543$	$\begin{array}{c} 8245 \\ 9383 \\ \hline 0520 \end{array}$	114 1 11 2 23 3 34 4 46 5 57
22 23 24 25 26		4043 5179 6314 7450	3020 4157 5292 6428 7563	4270 5406 6541 7677	4384 5520 6655 7790	4497 5633 6769 7904	4611 5747 6882 8017	4725 5860 6996 8131	3702 4838 5974 7109 8244	4952 6087 7223 8358	5065 6201 7336 8471	6 68 7 80 8 91 9 103
27 28 29 30 3831	583	9719 0854 1988 3122	8698 9833 0967 2101 3235	9946 1081 2215 3348	$     \begin{array}{r}       0\overline{0}6\overline{0} \\       1194 \\       2328 \\       3462     \end{array} $	<ul><li>0173</li><li>1307</li><li>2441</li><li>3575</li></ul>	0287 1421 2555 3688	0400 1534 2668 3802	$\begin{array}{c} 9379 \\ \hline 0513 \\ 1648 \\ 2781 \\ 3915 \\ \end{array}$	$ \overline{0627} $ 1761 2895 4028	$\overline{0740}$ 1874 3008 4142	
32 33 34 35 36		5388 6521 7654 8786	4368 $5501$ $6634$ $7767$ $8899$ $0031$	5615 6748 7880 9012	5728 6861 7993 9126	5841 6974 8107 9239	5955 7087 8220 9352	6068 7201 8333 9465	5048 6181 7314 8446 9578	6295 7427 8560 9692	6408 7540 8673 9805	
37 38 39 40 3841 42	584	1050 2181 3312 4443	1163 2294 3425 4556 5687	1276 $2407$ $3538$ $4669$	1389 2520 3652 4782	1502 2634 3765 4895	1615 2747 3878 5008	1729 2860 3991 5121	0710 1842 2973 4104 5234 6365	1955 3086 4217 5348	2068 3199 4330 5461	
43 44 45 46 47	585	6704 7834 8963 0093	6817 7947 9076 0206 1335	6930 8060 9189 0319	7043 8173 9302 0432	7156 8286 9415 0544	7269 8399 9528 0657	7382 8512 9641 0770	7495 8625 9754 0883 2012	7608 8738 9867 0996	7721 8850 9980 1109	
48 49 3850		2351 3479	2463 3592 4720	$\begin{array}{c} 2576 \\ 3705 \end{array}$	2689 3818	2802 3930	2915 4043	3028 4156	3141 4269 5397	3253 4382	3366 4494	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
3850 51 52 53 54 55	6863 7990	5848 6976 8103 9230	5961 7088 8216 9342	7201 8328 9455	6186 7314 8441	7426 8554 9681	6412 7539 8666	6525 7652 8779 9906	6637 7765	$\frac{9004}{0131}$	113 1 11 2 23 3 34
56 57 58 59 60 3861	2496 3622 4748 5873	2609 3735 4860 5986	3847 4973	2834 3960 5085 6211	2947 4072 5198	4185 5310	3172 4298 5423 6548	2159 3285 4410 5535 6661 7785	3397 4523 5648	3510 4635 5761 6886	4 45 5 57 6 68 7 79 8 90 9 102
62 63 64 65 66	8123 9247 587 0371 1495	8235 9360 0484	8348 9472 0596 1720	8460 9584 0708	8572 9697 0821	8685 9809 0933 2057		$\begin{array}{r} 8910 \\ \hline 0034 \\ 1158 \\ 2281 \end{array}$	$\begin{array}{c} 9022 \\ \hline 0146 \\ 1270 \\ 2394 \end{array}$	$\begin{array}{c} 9135 \\ \hline 0259 \\ 1383 \\ 2506 \end{array}$	
67 68 69 70 3871	3742 4865 5987 7110	3854 4977 6100 7222	3966 5089 6212 7334 8456	4079 5201 6324 7446	4191 5314 6436 7559	4303 5426 6549	4416 5538 6661 7783	$\begin{array}{c} 4528 \\ 5651 \end{array}$	4640 5763 6885	4752 5875 6997 8120	
72 73 74 75 76	588 0475 1596 2717	0587 1708 2829	9578 0699 1820 2941 4062	0811 1932 3053	0923 2045 3165	1036	1148 2269 3389	0139 1260 2381 3502		$\overline{0363}$ 1484 2605 3726	112
77 78 79 80 3881	6978 7198 8317	6190 7310 8429	5182 6302 7422 8541 9660	6414 7534 8653	6526 7646 8765	6638 7758 8877	6750 7870 8989	5742 6862 7981 9101 0220	6974 8093 9213	7086 8205 9325	2 22. 3 34 4 45 5 56 6 67 7 78
82 83 84 85 86	589 0555 1674 2792 3910	0667 1786 2904 4022		0891 2009 3128 4246	1003 2121 3239 4357	1115 2233 3351 4469	1227 2345 3463 4581		1450 2569 3687 4804	1562 2680 3798	8 90 9 101
87 88 89 90 3891	6145 7263 8379	6257 7374 8491 9608	6369 7486 8603 9719	6481 7598 8714 9831	6592 7709 8826	$6704 \\ 7821 \\ \underline{8938} \\ 0054$	6816	6927 8044 9161 0277	7039 8156 9273 0389		
92 93 94 95	1728 2844 3959 5075	1840 2956 4071 5186	1951 3067 4183 5298	2063 3179 4294	2175 3290 4406 5521	2286 3402 4517 5632	2398 3513 4629 5744	2509 3625 4740 5855	2621 3736 4852 5967	2732 3848 4963 6078	
96 97 98 99 3900	7304 8418	9644	7527 8641 9755	7638 8753 9866	7750 8864 9978	$\begin{array}{r} 7861 \\ 8975 \\ \hline 0089 \end{array}$	$7973 \\ 9087 \\ \hline 0201$	$6970 \\ 8084 \\ 9198 \\ \hline 0312 \\ 1426$	$8196 \\ \underline{9310} \\ 0423$	$\frac{9421}{0535}$	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
3900 01 02 03 04 05		1760 2873 3986 5098	0757 1871 2984 4097 5209 6322	1982 3095 4208 5321	2093 3207 4319 5432	2205 3318 4431 5543	2316 3429 4542 5654	2427 3540 4653 5765	1426 2539 3652 4764 5877 6989	2650 3763 4876 5988	2761 3874 4987 6099	
06 07 08 09 10	592	8434 9546 0657 1768	7434 8545 9657 0768 1879	8656 9768 0879 1990	8768 9879 0990 2101	9990 1101 2212	$\begin{array}{r} 8990 \\ \hline 0101 \\ 1212 \\ 2323 \end{array}$	$\begin{array}{c} 9101 \\ \hline 0212 \\ 1323 \\ 2434 \end{array}$	8101 9212 0323 1434 2545	$\begin{array}{r} 9323 \\ \hline 0434 \\ 1545 \\ 2656 \end{array}$	0546 1656 2767	111 1 11 2 22
3911 12 13 14 15 16		3988 5098 6208 7318	2989 4099 5209 6319 7429 8538	4210 5320 6430 7540	4321 5431 6541 7650	4433 5542 6652 7761	4544 5653 6763 7872	4655 5764 6874 7983	3655 4766 5875 6985 8094 9203	4876 5986 7096 8205	6097 7207 8316	3 33 4 44 5 56 6 67 7 78 8 89 9 100
16 17 18 19 20 3921	593	9536 0644 1753 2861	9647 0755 1863 2971 4079	9757 0866 1974 3082	9868 0977 2085 3193	9979 1088 2196 3304	0090 $1199$ $2307$ $3415$	0201 1309 2417 3525	$     \begin{array}{r}             \hline             0312 \\             \hline             1420 \\             2528 \\             3636 \\             \hline             4744 \\     \end{array} $	$     \begin{array}{r}       04\overline{23} \\       1531 \\       2639 \\       3747     \end{array} $	$     \begin{array}{r}       \hline       0533 \\       1642 \\       2750 \\       3858     \end{array} $	7 100
22 23 24 25 26		5076 6183 7290 8397		5297 6404 7511 8618	5408 6515 7622 8729	5519 6626 7733 8839	5630 6737 7843 8950	5740 6847 7954 9060	5851 $6958$ $8065$ $9171$ $0277$	5962 7069 8175 9282	6072 7179 8286 9392	
27 28 29 30 3931	594	0609 1715 2820 3926	0720 1825 2931 4036 5141	0830 1936 3041 4147	0941 2046 3152 4257	1051 2157 3262 4368	1162 2268 3373 4478	1273 2378 3483 4588	1383 2489 3594 4699 5804	1494 2599 3704 4809	1604 2710 3815 4920	
32 33 34 35 36		6135 7239 8344 9447	6246 7350 8454 9558 0661	6356 7460 8564 9668	6466 7571 8675 9778	6577 7681 8785 9889	6687 7792 8895 9999	$\begin{array}{c} 6798 \\ 7902 \\ \underline{9006} \\ \overline{0110} \end{array}$	6908 $8012$ $9116$ $0220$ $1323$	$7019 \\ 8123 \\ 9227 \\ \hline 0330$	$7129 \\ 8233 \\ 9337 \\ \hline 0441$	
37 38 39 40		1654 2757 3860 4962	1764 2867 3970 5072 6175	1875 2978 4080 5183	1985 3088 4191 5293	2095 3198 4301 5403	2206 3308 4411 5513	2316 3419 4521 5624	2426 3529 4632 5734 6836	2537 3639 4742 5844	2647 3750 4852 5954	
3941 42 43 44 45	596	7166 8268 9369 0470	7276 8378 9479 0580	7387 8488 9589 0690	7497 8598 9699 0800	7607 8708 9810 0910	7717 8818 9920 1020	$7827 \\ 8929 \\ \hline 0030 \\ 1131$	7937 $9039$ $0140$ $1241$ $2341$	$8047 \\ \underline{9149} \\ 0250 \\ 1351$	$\begin{array}{c} 8158 \\ \underline{9259} \\ \hline 0360 \\ 1461 \end{array}$	
46 47 48 49 3950		$2671 \\ 3771 \\ 4871$	2781	2891 3991 5091	3001 4101 5201	3111 4211 5311	$\frac{3221}{4321}$	3331 4431 5531	3441 4541 5641	3551 4651 5751	3661 4761 5861	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
3950 51 52 53 54 55	597 C	7070 3169 0268 0367	6081 7180 8279 9378 0476 1575	8389 9488 0586	7400 8499 9598 0696	7510 8609 9708 0806	8719 9,817 0916	7730 8829	$7840 \\ 8939 \\ \hline 0037 \\ 1135$	$\begin{array}{c} 7950 \\ \underline{9048} \\ 0147 \\ 1245 \end{array}$	$\frac{9158}{0257}$	110
56 57 58 59 60 3961 62 63	598 (	3661 4758 5855 3952 3048 9145 0241	2673 3770 4868 5965 7062 8158 9254 0350	3880 4977 6074 7171 8268 9364 0460	3990 5087 6184 7281 8377 9474 0569	5197 6294 7391 8487 9583 0679	4209 5306 6403 7500 8597 9693 0789	3221 4319 5416 6513 7610 8706 9802 0898	4429 5526 6623 7719 8816 9912 1008	$\begin{array}{c} 5636 \\ 6733 \\ 7829 \\ \underline{8925} \\ 0022 \\ 1117 \end{array}$	$\begin{array}{c} 4648 \\ 5745 \\ 6842 \\ 7939 \\ \hline 9035 \\ \hline 0131 \\ 1227 \\ \end{array}$	2 22 3 33 4 44 5 55 6 66 7 77 8 88 9 99
64 65 66 67 68 69 70	\$ 4.	2432 3527 4622 5717 5811	1446 2541 3637 4731 5826 6920 8014	2651 3746 4841 5936 7030	2761 3856 4950 6045 7139	2870 3965 5060 6154 7249	2980 4075 5169 6264 7358	1994 3089 4184 5279 6373 7467 8561	3199 4294 5388 6483 7577	3308 4403 5498 6592 7686	3418 4513 5607 6702 7796	
3971 72 73 74 75 76	599	0092 1186 2279 3371 4464	9108 0202 1295 2388 3481 4573 5665	0311 1404 2497 3590 4682	0420 1514 2606 3699 4791	0530 1623 2716 3808 4901	0639 1732 2825 3918 5010	9655 0748 1841 2934 4027 5119 6211	0858 1951 3044 4136 5228	0967 2060 3153 4245 5338	1076 2169 3262 4355 5447	
77 78 79 80 3981 82	600	6648 7739 8831 9922 1013	6757	$6866$ $7958$ $9049$ $\overline{0140}$ $1231$	$6975 \\ 8067 \\ 9158 \\ \hline 0249 \\ 1340$	7084 8176 9267 0358 1449	$7194$ $8285$ $9376$ $\overline{0467}$ $1558$	7303 $8394$ $9485$ $0576$ $1667$ $2757$	$7412 8503 9594  \hline 0685 1776$	7521 8612 9704	$7630$ $8722$ $9813$ $\overline{0903}$ $1994$	
83 84 85 86 87 88 89	,	3193 4283 5373 6462 7551	3302	3411 4501 5591 6680 7769	3520 4610 5700 6789 7878	3629 4719 5809 6898	3738 4828 5918 7007	3847 4937 6027 7116 8205	3956 5046 6136 7225 8314	4065 5155 6244 7334 8423	4174 5264 6353 7443	109
90 3991 92 93 94 95	601	9729 0817 1905 2993 4081	9838 0926	9947 1035 2123 3211 4298	0055 $1144$ $2232$ $3319$ $4407$	0164 1253 2340 3428 4516	0273 1361 2449 3537 4624	$   \begin{array}{r}     \hline       0382 \\       \hline       1470 \\       \hline       2558 \\       3646 \\       \hline       4733 \\       \hline       5820 \\   \end{array} $	0491 1579 2667 3754 4842	0600 1688 2776 3863 4950	0708 1797 2884 3972 5059	2 22 3 33 4 44 5 55 6 65 7 76 8 87 9 98
96 97 98 99 4000		7341 8428 9514	7450 8537 9623	7559 8645 9731	7667 8754 9840		$\begin{array}{r} 7885 \\ 8971 \\ \hline 0057 \end{array}$	$   \begin{array}{r}     6907 \\     7993 \\     9080 \\     \hline     0166 \\     1251   \end{array} $	$8102 \\ 9188 \\ \hline 0274$	$8211 \\ 9297 \\ \hline 0383$	$8319 \\ 9405 \\ \hline 0491$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4000 01 02 03 04 05	2771 3856 4941	0708 1794 2879 3964 5049 6134	1903 2988 4073 5158	2011 3096 4181 5266	3205 4290 5375	2228 3313 4398 5483	2337 3422 4507 5591	2445 3530 4615 5700	1468 2554 3639 4724 5808 6893	2662 3747 4832 5917	
06 07 08 09 10	$9277 \\ 6030361$	8302 9385	8410 9494 0577	$\begin{array}{c} 9602 \\ 0686 \end{array}$	9711 0794	9819 0902	8844 9927 1010	$\begin{array}{c} \overline{0036} \\ 1119 \end{array}$	$7977 \\ 9060 \\ \hline 0144 \\ 1227 \\ 2310$	$\begin{array}{c} \overline{0}\overline{2}\overline{5}\overline{2} \\ 1335 \end{array}$	108
4011 12 13 14 15	3609 4692 5774	2635 3717 4800 5882 6964	3826 4908 5990	3934 5016 6098	4042 5124	4150 5233 6315	4259	$\begin{array}{c} 5449 \\ 6531 \end{array}$	$\frac{4475}{5557}$	5665	2 22 3 32 4 43 5 54 6 65 7 76
16 17 18 19 20	9018 604 0099 1180	8045 9126 0207 1288 2369	$9235 \\ 0315 \\ 1396$	$9343 \\ 0424 \\ 1504$	9451 0532 1612	$9559 \\ 0640 \\ 1720$	9667 $0748$ $1828$	9775 $0856$ $1936$	8802 9883 0964 2044 3125	9991 1072 2152	8 86 9 97
4021 22 23 24 25	4421 5500 6580	3449 4529 5608 6688 7767	4637 5716 6796	4745 5824	5932 7011	4961 6040 7119	$\begin{array}{c} 6148 \\ 7227 \end{array}$	5176 6256 7335	4205 5284 6364 7443 8522	5392 6472 7551	
26 27 28 29 30	$9816 \\ 6050895 \\ 1973$	8846 9924 1002 2080 3158	$\begin{array}{c} \overline{0032} \\ 1110 \\ 2188 \end{array}$	0140 $1218$ $2296$	0248 $1326$ $2404$	0355 $1434$ $2512$	0463 $1541$ $2619$	0571 $1649$ $2727$	$\begin{array}{r} 9601 \\ \hline 0679 \\ 1757 \\ 2835 \\ 3912 \end{array}$	0787 $1865$ $2943$	
4031 32 33 34 35	5205 6282 7359	4236 5313 6390 7467 8543	5421 6498 7574	$5528 \\ 6605 \\ 7682$	5636 6713 7790	5744 6821 7897	5851 6928 8005	5959 7036	4990 6067 7144 8220 9296	6175 7251	
36 37 38 39 40	606 0587 1663 2739	9619 0695 1771 2846 3921	$0803 \\ 1878 \\ 2954$	$0910 \\ 1986 \\ 3061$	1018 2093 3169	$\frac{2201}{3276}$	1233 $2308$ $3384$	1340 $2416$ $3491$	0372 1448 2523 3599 4674	1556 2631 3706	
4041 42 43 44 45	5963 7037 8111	4996 6071 7145 8219 9293	6178 7252 8326	6285 7360 8434	6393 7467 8541	6500 7574	6608 7682 8756	6715 7789 8863	5748 6823 7897 8971 0044	6930 8004 9078	
46 47 48 49 4050	2405 3478	1439 2512 3585	1547 2620 3692	1654 2727 3800	1761 2834 3907	$1869 \\ 2941$	1976 3049 4121	1010 2083 3156 4229	1117 2190 3263 4336	1225 2298 3371 4443	107

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4050 51 52 53 54 55	6694 7766 8837	$\begin{array}{c} 4657 \\ 5730 \\ 6802 \\ 7873 \\ \underline{8945} \\ 0016 \end{array}$	5837 6909 7980 9052	7016 8087 9159	6051 7123 8195 9266	6158 7230 8302 9373	$6266 \\ 7337$		$\begin{array}{c} 6480 \\ 7552 \end{array}$	6587 7659 8730	107 1 11 2 21 3 32 4 43 5 54
56 57 58 59 60	3120 4191	1087 2157 3227 4298 5367	2264 3334 4404	2371 3441 4511	2478 3548 4618	2585 3656 4725	2692 $3763$ $4832$	1729 2799 3870 4939 6009	2906 3977 5046	3013 4084 5153	6 64 7 75 8 86 9 96
4061 62 63 64 65	7399 8468	8575 9644	7613 8682 9751	7720 8789 9858	7827 8896	$\begin{array}{c} 7934 \\ \underline{9003} \\ \overline{0071} \end{array}$	$\begin{array}{c} 8041 \\ \underline{9110} \\ \overline{0178} \end{array}$	$7078 \\ 8148 \\ \underline{9216} \\ 0285 \\ 1353$	$8254 \\ \underline{9323} \\ \overline{0392}$	$8361 \\ \underline{9430} \\ \overline{0499}$	
66 67 68 69 70	2742 3809 4877	1781 2849 3916 4984 6051	2955 4023 5090	3062 4130 5197	3169 4236 5304	3276 4343 5411	3382 4450 5517	2421 3489 4557 5624 6691	3596 4663 5731	3703 4770 5837	
4071 72 73 74 75	8078 9144 610 0210	7118 8184 9251 0317 1383	8291 9357 0423	8398 9464 0530	8504 9571 0637	8611 9677 0743	8718 9784 0850	7758 8824 9890 0956 2022	8931 9997 1063	$\frac{9037}{0104} \\ 1170$	
76 77 78 79 80	3407 4472 5537	2448 3514 4579 5644 6708	3620 4685 5750	3727 4792 5856	3833 4898 5963	3940 5005 6069	4046 5111	3088 4153 5218 6282 7347	4259 5324 6389	4366 5431	
4081 82 83 84 85	8730 9794 611 0857	9900	$\frac{8943}{0007} \\ 1070$	$\frac{9049}{0113}$ 1176	$\begin{array}{c} 9156 \\ \hline 0219 \\ 1283 \end{array}$	$\frac{9262}{0326}$ $1389$	$\frac{9368}{0432} \\ 1495$	$8411 \\ \underline{9475} \\ \overline{0538} \\ 1602 \\ 2665$	$\frac{9581}{0645} \\ 1708$	9687	
86 87 88 89 90	4046 5109 6171	3090 4153 5215 6277 7339	4259 $5321$ $6384$	4365 $5428$ $6490$	4471 5534 6596	4578 5640 6702	$4684 \\ 5746 \\ 6808$	3728 4790 5852 6915 7976	$4896 \\ 5959 \\ 7021$	5003 6065 7127	
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96 97 98 99 4100	5720 6779	4766 5826 6885	$5931 \\ 6991$	4978 6037 7097		5190 6249 7309	5296 6355 7415	4342 5402 6461 7521 8580	5508 6567 7627	$6673 \\ 7733$	5 53 6 64 7 74 8 85 9 95

No.		0 1	2	3	4	5	6	7	8	9	Diff.
4100 01 02 03 04 05	88 99 613 10 20	39 794 98 900 57 006 15 112 74 217 32 323	$egin{array}{cccc} 4 & 9109 \\ \hline 2 & 0168 \\ 1 & 1227 \\ 9 & 2285 \\ \hline \end{array}$	$\begin{array}{r} 9215 \\ \hline 0274 \\ 1333 \\ 2391 \end{array}$	$     \begin{array}{r}       \hline       0380 \\       1439 \\       2497     \end{array} $	0486 $1544$ $2603$	$\begin{array}{r} 9533 \\ \hline 0592 \\ 1650 \\ 2708 \end{array}$		$\frac{9745}{0803} \\ 1862$	1968	
06 07 08 09 10	41 52 63 73 84	89 429 47 535 04 641 61 746 18 852	5 4401 3 5459 0 6516 7 7573 4 8630	4507 5564 6621 7678 8735	4613 5670 6727 7784 8841	4718 5776 6833 7890 8947	4824 5881 6939 7996 9052	4930 5987 7044 8101 9158	5036 6093 7150 8207 9263	6199 7256 8313 9369	
4111 12 13 14 15	614 05 15 26 36	43 274 98 380	7 0742 3 1798 8 2854 4 3909	0848 1904 2960 4015	.0954 2009 3065 4121	1059 2115 3171 4226	1165 2221 3276 4332	0214 1270 2326 3382 4437	1376 2432 3487 4543	1482 2537 3593 4648	
16 17 18 19 20 4121	58 68 79 89	54 4859 09 5914 63 6969 18 8023 72 9078 26 0133	4 6020 9 7074 3 8129 8 9183	6125 7180 8234 9288	6231 7285 8340 9394	6336 7391 8445 9499	6442 7496 8550 9605	5492 6547 7602 8656 9710 0764	6652 7707 8761 9815	6758 7812 8867 9921	
22 23 24 25 26	10 21 31 42	80 118 33 223 87 329 40 434 92 5397	5 1291 9 2344 2 3397 5 4450	1396 2449 3502 4555	1501 2555 3608 4661	1607 2660 3713 4766	1712 2765 3818 4871	1817 2871 3924 4976 6029	1923 2976 4029 5082	2028 3081 4134 5187	
27 28 29 30 4131	63- 73: 84- 95:	45 6450 97 7503 49 8554 01 9600 52 0653	0 6555 2 7607 1 8659 3 9711	6660 7712 8764 9816	6766 7818 8870 9921	$   \begin{array}{r}     6871 \\     7923 \\     \underline{8975} \\     \hline     0026   \end{array} $	$6976 \\ 8028 \\ \underline{9080} \\ 0131$	7081 8133 9185	$7186 \\ 8238 \\ \underline{9290} \\ 0342$	$7292 \\ 8344 \\ 9395 \\ \hline 0447$	
32 33 34 35 36	16 26 37 47	03 1708 54 2758 05 3810 55 4860	3 1813 9 2864 9 3915 9 4965	1918 2969 4020 5070	2024 3074 4125 5175	2129 3179 4230 5280	2234 3284 4335 5385	2339 3390 4440 5490 6540	2444 3495 4545 5595	2549 3600 4650 5700	
37 38 39 40 4141	683 790 893 617 000	55 6960 05 8010 54 9059 03 0108	7065 8115 9164 0213	7170 8220 9269 0318	7275 8325 9374 0423	7380 8430 9479 0528	7485 8535 9584 0633	7590 8639 9689 0738	7695 8744 9794 0843	7800 8849 9899 0947	105 1 11 2 21 3 32 4 42
42 43 44 45 46	210 314 415 524	01 2206 49 3254 97 4302 45 5350	3359 2 4407 3 5455	2415 3464 4512 5560	2520 3569 4617 5664	2625 3673 4721	2730 3778 4826 5874	2835 3883 4931 5979	2940 3988 5036	3045 4093	5 53 6 63 7 74 8 84 9 95
47 48 49 4150	734 838 943	40 7445 87 8492 84 9539 81 0586	7550 8 8597 9 9644	7655 8702 9748	7759 8806 9853	7864 8911 9958	$\begin{array}{c} 7969 \\ 9016 \\ \hline 0062 \end{array}$	8073	$8178 \\ 9225 \\ \hline 0272$	$\begin{array}{c} 8283 \\ 9330 \\ \hline 0376 \end{array}$	

1		1	0	3	4	5	6	7	8	9	Diff.
No.	0 618 0481	1	2					•	1318		Din.
4150					1946				2364		
52		2678			2992				3410		
53					4038		4247		4456		
54		4769					5292		5501 6546		
55		5815					6337				
56 57		7905			7173		7382 8427		7591 8636		
58		8949					9471		9680		
59		9994				0411			$\overline{0725}$	$\overline{0829}$	
60	619 0933	1038	1142	1246	1351	1455	1560	1664	1768	1873	
4161		2082					2603		2812		
62		3125 4168			3438 4481				3855 4899		
64		5212							5942		
65		6254						-	6984		
66	7193	7297	7401	7505	7610	7714	7818	7922	8027	8131	
67		8339				8756					
68	9277 $6200319$				9694	9798 0840					
69 70		1465				1881					
4171		2506							3235		
72		3547							4276		
73		4588		4796		5004					
74		5628 6669			5941 6981			$6253 \\ 7293$	6357 7397	6461 7501	
75		7709			8021		8229		8437		
76 77		8749			9061				9476		
78		9788							$\frac{0516}{0516}$		
79	6210724				1139				1555		
80		1867							2594		
4181		2906							3633		
82   83		3944 4982				5398			4671 5709		104
84		6021							6747		1 10 2 21
85	6955	7058	7162	7266	7370	7473	7577	7681	7785	7888	3 31
86		8096							8822		4 42 5 52
87	9030 622 0067	9133							9859 0896		6 62
88		1207		1415					1933		7 73 8 83
90		2244							2969		9 94
4191	3177	3280	3384	3487	3591	3695	3798	3902	4006	4109	
92		4316							5041		
93		5352 6388		5559 6595				5974 7009	6077		
95		7423		7630					8148	$7216 \\ 8251$	
96		8458				8872					
97		9493							$\frac{3103}{0217}$		
98	623 0424							1148		1355	1
99 4200		$\begin{array}{c} 1562 \\ 2596 \end{array}$							2286 3320		
1200	2400	2000	2100	4000	2500	3010	9119	3417	3320	0420	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4200 01 02 03 04 05	4560	3630 4664 5697 6730	3734 4767	3837 4871 5904 6937	3940 4974 6007 7040	4044 5077 6111 7144	4147 5181 6214 7247	3217 4250 5284 6317 7350 8383	4354 5387 6420 7453	4457 5491 6524 7557	
06 07 08 09 10	9725 624 0757 1789 2821	1892 2924	9932 0964 1996 3027	0035 1067 2099 3130	0138 1170 2202 3234	$\begin{array}{r} 9209 \\ \hline 0241 \\ 1273 \\ 2305 \\ 3337 \end{array}$	$\begin{array}{c} 9312 \\ \hline 0344 \\ 1377 \\ 2408 \\ 3440 \end{array}$	$\begin{array}{r} 9415 \\ \hline 0448 \\ 1480 \\ 2511 \\ 3543 \end{array}$	$\begin{array}{r} 9519 \\ \hline 0551 \\ 1583 \\ 2615 \\ 3646 \end{array}$	$\begin{array}{c} 9622 \\ \hline 0654 \\ 1686 \\ 2718 \\ 3749 \end{array}$	
4211 12 13 14 15	4884 5915 6945 7976	3956 4987 6018 7048 8079	5090 6121 7151 8182	5193 6224 7254 8285	5296 6327 7358 8388	5399 6430 7461 8491	5502 6533 7564 8594	4574 5605 6636 7667 8697	5708 6739 7770 8800	5812 6842 7873 8903	
16 17 18 19 20 4221	625 0036 1066 2095 3125	9109 0139 1169 2198 3227 4256	$0242 \\ 1272 \\ 2301 \\ 3330$	$0345 \\ 1375 \\ 2404$	0448 1478 2507 3536	0551 1581 2610 3639	0654 1683 2713 3742	9727 0757 1786 2816 3845 4874	0860 1889 2919 3948	0963 1992 3022 4051	
22 23 24 25 26	5182 6211 7239 8267	5285 6314	5388 6416 7445 8473	5491 6519 7548 8575	5594 6622 7650 8678	5697 6725 7753 8781	5799 6828 7856 8884	5902 6931 7959 8987	6005 7033 8062 9089	6108 7136 8164 9192	
27 28 29 30	626 0322 1350 2377 3404		0528 1555 2582 3609	0631 1658 2685 3712	0733 1761 2788 3814	0836 1863 2890 3917	$0939 \\ 1966 \\ 2993$	1042 2069 3096 4122	1144 $2171$ $3198$ $4225$	1247 2274 3301	103 1 10 2 21 3 31
4231 32 33 34 35	5457 6483 7509 8534	5559 6585 7611 8637	5662 6688 7714 8739	5764 6790 7816 8842	5867 6893 7919 8944	5970 6996 8021 9047	6072 7098 8124 9149	6175 7201 8226 9252	6277 7303 8329 9354	6380 7406 8432 9457	4 41 5 52 6 62 7 72 8 82 9 93
36 37 38 39 40	627 0585 1610 2634 3659	1712 2737 3761	0790 1814 2839 3863	0892 1917 2942 3966	0995 2019 3044 4068	1097 2122 3146 4171	1200 2224 3249 4273	0277 1302 2327 3351 4376	1405 2429 3454 4478	1507 2532 3556 4580	
4241 42 43 44 45	5707 6730 7754 8777	4785 5809 6833 7856 8879	5911 6935 7958 8982	6014 7037 8061 9084	6116 7140 8163 9186	6219 7242 8265 9288	6321 7344 8368 9391	5399 6423 7447 8470 9493	6526 7549 8572 9595	6628 7651 8675 9698	-
46 47 48 49 4250	628 0823 1845 2867	1947	$1027 \\ 2050 \\ 3072$	1129 $2152$ $3174$	1232 2254 3276	1334 2356 3378	1436 2458 3481	0516 1538 2561 3583 4605	1641 2663 3685	1743 2765 3787	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4250 51 52 53 54 55	5933 6954 7975	5013 6035 7056	5115		4298 5320 6341 7362 8383 9404	7464 8485	5524 6545 7566 8587	4605 5626 6647 7669 8689 9710	6750 7771 8792	5830 6852	
56 57 58 59 60	2057 3076	1139 2159 3178	$\begin{array}{c} 0220 \\ 1241 \\ 2261 \\ 3280 \\ 4300 \end{array}$	1343 2363 3382	0424 1445 2465 3484 4504	1547 2567 3586	2668 3688	$\begin{array}{c} 1751 \\ 2770 \end{array}$	$\begin{array}{c} 2872 \\ 3892 \end{array}$	2974 3994	
4261 62 63 64 65	6134 7153	$7255 \\ 8274$	6338 7357 8376	5421 6440 7459 8478 9496	5523 6542 7561 8579 9598	5625 6644 7663 8681 9699	6746 7765	8885	7968	7051 8070 9089	102
66 67 68 69 70		1328	1430 2448 3465		1634 2651 3668	1735	$\begin{array}{c} 2855 \\ 3872 \end{array}$	1939 2956 3974		2142 3160 4177	2 20 3 31 4 41 5 51 6 61 7 71
4271 72 73 74 75	6312 7329 8345			5601 6617 7634 8650 9666	6719 7735 8752	5804 6821 7837 8853 9869	6922 7939	$6007 \\ 7024 \\ 8040 \\ \underline{9056} \\ 0072$	$\begin{array}{c} 6109 \\ 7126 \\ 8142 \\ \underline{9158} \\ \overline{0174} \end{array}$	8244 9260	8 82 9 92
76 77 78 79 80	2408 3423	1494	1596 2611	1697	0783 1799 2814 3829 4844	1900 2915 3930	0986 2002 3017 4032 5046	2103	2205 3220 4235	3321	
4281 82 83 84 85	6467 7481 8495	6568 7582 8596	7684	5757 6771 7785 8799 9812	5858 6872 7886 8900 9914	5959 $6974$ $7988$ $9001$ $0015$	7075 8089 9103	$6162 \\ 7177 \\ 8190 \\ \underline{9204} \\ 0218$	9306	8393 9407	
86 87 88 89 90	2548 3560	1636	2750 3763	1839	0927 1940 2953 3965 4978	2041 3054 4067	1130 2143 3155 4168 5180	2244	3358 4370	4472	101 1 10 2 20 3 30
4291 92 93 94 95		$\begin{array}{c} 7710 \\ 8722 \end{array}$	6800	$\begin{array}{c} 7912 \\ 8924 \end{array}$	5990 7002 8014 <u>9025</u> 0036	7103	$6192 \\ 7204 \\ 8216 \\ 9227 \\ \hline 0238$	$6294 \\ 7305 \\ 8317 \\ \underline{9328} \\ 0339$	7407 8418 9429	9531	4 40 5 51 6 61 7 71 8 81 9 91
96 97 98 99 4300	2664 3674	1755 2765 3775	1856 2866 3876	1957 2967 3978	4079	2159 3169	4281	2361 3371 4382	3472 4483	2563 3573 4584	

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1		4	0	0	4	F	C	F7	0	9	D'm
No.	0	1	2	3	4	5	6	7	8		Diff.
4300	633 4685			4988	5089 6098	5190		5391 6401			
02			6906				7310			7613	
03			7915					8420			
04   05			8924 9933		$\frac{9126}{0135}$		$\frac{9328}{0337}$	$\frac{9429}{0438}$	$\frac{9530}{0539}$	$\frac{9631}{0639}$	
06	634 0740				1144		1345		1547	1648	
07			1950		2152			2455			-
08			2959					3463			
09 10		3866	3967 4974	4067			4370 5377	4470 5478	4571		
4311			5982				6385		6586		
12		6888		7090		7291			7593		
13			7996					8499			
14 15			$\frac{9003}{0009}$					$\frac{9506}{0512}$			
16	635 0814				1217			1519			
17			2022				2424		2625		
18			3028					3530			
19 20			4033 5039					4536 5541			
4321			6044					6546			100
22			7049					7551			1 10 2 20
23	7852		8053					8556			3 30
$\begin{bmatrix} 24 \\ 25 \end{bmatrix}$			$\frac{9058}{0062}$		$\frac{9259}{0263}$			$\frac{9560}{0564}$			4 40 5 50
26	636 0865		- 1					1568			6 60 7 70
27			2070				2471		2672		8 80
28			3073					3575			9 90
29 30			4076 5080					4578 5581			
4331			6082					6584	6684	6784	
32			7085				7486		7686		
33	7887 8889		8087 9089	8188 9190				8588 9590			
35			$\frac{3003}{0091}$		$\frac{3230}{0292}$	$\frac{3330}{0392}$		$\frac{3530}{0592}$		$\frac{3731}{0793}$	
36	637 0893							1594			
37			2094 3096				2495 3496	2595	2695 3696		
38			4097					4597			
40			5097					5598			
4341			6098					6598			
42			7098 8098					7598 8598			
44			9098					9598			
45	9898	9998	$\overline{0}\overline{0}\overline{9}\overline{8}$	0198	$\overline{0298}$	0398	0497	$\overline{0597}$	0697	0797	
46	638 0897						1497		1697		
47			2096 3095			2396 3395		2596 3594			
49	3894	3994	4094	4194	4294	4393					
4350	4893	4992	5092	5192	5292	5392	5492	5591	5691	5791	

No.	0	1	2	3	4	5	6	7	8	9	
4350	638 4893							5591			
51 52			7088		6290			6589 7587		7787	
53	7887		8086					8585			
54			9084				9483		9682	9782	
55			0081		0280			0580			
56	639 0879							1577			
57 58			$2075 \\ 3072$					2573 3570			
59			4068			4367		4566			
60	4865	4965	5064	5164	5263	5363	5463	5562	5662	5761	
4361			6060					6558		6757	
62 63			7056 8051					7553	7653	7753	
64		8947		9146			9444	8549 9544	9643	9743	1
65			$\overline{0041}$					$\overline{0539}$			
66	640 0837							1534			1
67			2031				2429		2627	2727	
68 69			3025 4019					3522 4516		3721 4715	
70			5013					5510			00
4371	5808	5907	6007	6106	6205	6305	6404	6504	6603	6702	99
72			7000					7497			2 20
73 74	7795		7993 8986	8093				8490 9483		8688 9681	3 30 4 40
75			9979					$\frac{3403}{0475}$			5 50
76	641 0773	0872	0972	1071	1170	1269	1369	1468	1567	1666	6 59 7 69
77	1765	1865	1964	2063	2162			2460			8 79
78			2956					3452			9 89
79 80		3849 4840			4146 5138			4444 5435			
4381			5931					6426			
82		6823		7021	7120		7318		7517		
83			7913					8408			
84 85			8904 9894		$\frac{9102}{0092}$		$\frac{9300}{0290}$	$\frac{9399}{0389}$	$\frac{9498}{0488}$		
86	642 0686							1379			
87			1874					2369			
88					3062			3359			
89 90			3854 4843		4052			4348 5338			
4391			5832					6327			
92			6821				7217	7315			
93			7810					8304			
94 95			8798 9786		8996 9984		$\frac{9194}{0182}$	$\frac{9292}{0280}$	$\frac{9391}{0379}$	$\frac{9490}{0478}$	
96	643 0577							1268			
96					1960			2256			
98	2552	2651	2750	2848	2947	3046	3145	3243	3342	3441	
99					3935			4231			
4400	4527	4025	4724	4823	4922	5020	2119	5218	2316	0415	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4400 01 02 03 04 05	6500 7487	5612 6599 7585 8572	5711 6698 7684	5810 6796 7783 8769	5908 6895 7881 8868	6007 6994 7980 8966	6106 7092 8079 9065	$\begin{array}{c} 5218 \\ 6204 \\ 7191 \\ 8177 \\ \underline{9163} \\ 0149 \end{array}$	6303 7290 8276 9262	6402 7388 8374 9361	
06 07 08 09 10	2416 3401 4386	1529 2514 3499 4484	1628 2613 3598 4583	1726 2711 3696 4681	1825 2810 3795 4780	1923 2908 3893 4878	2022 3007 3992 4977	1135 2120 3105 4090 5075	2219 3204 4189 5174	2317 3302 4287 5272	98
12 13 14 15 16	6355 7339 8323	8422 9405	6552 7536 8520 9504	6650 7635 8618 9602	6749 7733 8717 9701	6847 7831 8815 9799	6946 7930 8914 9897	6060 7044 8028 9012 9996 0979	$7142 \\ 8127 \\ 9110 \\ \hline 0094$	$7241 \\ 8225 \\ \underline{9209} \\ \overline{0192}$	1 10 2 20 3 29 4 39 5 49 6 59
17 18 19 20 4421	1274 2257 3240 4223	1372 2355 3338 4321 5303	1471 2454 3437 4419	1569 2552 3535 4517	1667 2650 3633 4616	1766 2749 3731 4714	1864 2847 3830 4812	1962 2945 3928 4910 5893	2061 3043 4026 5009	2159 3142 4124 5107	7 69 8 78 9 88
22 23 24 25 26	6187 7169 8151	6286 7268 8249 9231	6384 7366 8348 9329	6482 7464 8446 9427	6580 7562 8544 9525	6678 7660 8642 9623	6777 7758 8740 9722	6875 7857 8838 9820 0801	6973 7955 8936 9918	$7071 \\ 8053 \\ \underline{9035} \\ 0016$	
27 28 29 30 4431	1095 2076 3057 4037	1193 2174 3155 4135 5116	1291 2272 3253 4233	1390 2370 3351 4331	1488 2468 3449 4429	1586 2566 3547 4527	1684 2665 3645 4625	1782 2763 3743 4723 5704	1880 2861 3841 4821	1978 2959 3939 4919	
32 33 34 35 36	6977 7957 8936	$   \begin{array}{r}     6096 \\     7075 \\     8055 \\     9034 \\     \hline     0013   \end{array} $	7173 8153 9132	7271 8251 9230	7369 8349	7467 8447 9426	7565 8545 9524	$   \begin{array}{r}     6683 \\     7663 \\     8642 \\     9622 \\     \hline     0601   \end{array} $	7761 8740 9720	7859 8838 9817	
37 38 39 40 4441	2851 3830	1971	2069 3047 4025	2167 3145 4123	2264 3243 4221	2362 3341 4319	2460 3438 4417	1579 2558 3536 4514 5492	2656 3634 4612	2754 3732 4710	
42 43 44 45 46	6763 7741 8718	5883 6861 7838 8815 9792	6959 7936 8913	7056 8034 9011	7154 8131	7252 8229 9206	7350 8327 9304	$6470 \\ 7447 \\ 8425 \\ 9402 \\ \hline 0378$	7545 8522 9499	7643 8620 9597	
47 48 49 4450	648 0671 1648 2624	$0769 \\ 1745 \\ 2722$	0867 1843 2819	0964 1941 2917	$\begin{array}{c} 1062 \\ 2038 \end{array}$	1160 2136 3112	1257 $2234$ $3210$	1355 2331 3307 4283	1453 2429 3405	1550 2526 3503	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4450 51 52		3698 4674 5649	4771	4869	4966	5064		4283 5259 6234	5356		
53 54 55	7502	6624 7600 8575	7697	7795		7990	7112 8087 9062	8185	7307 8282 9257	7405 8380 9354	
56 57 58 59	649 0426 1401 2375	$\begin{array}{c} 1498 \\ 2472 \end{array}$	0621 1595 2570	$0719 \\ 1693 \\ 2667$	0816 1790 2764	0914 1888 2862	1011 1985 2959	$\begin{array}{c} 2083 \\ 3056 \end{array}$	1206 2180 3154	1303 2277 3251	
60 4461 62 63	4322 5296 6269	3446 4420 5393 6366	4517 5490 6463	4614 5588 6561	4712 5685 6658	4809 5782 6755	6853	5004 5977 6950	7047	5198 6172 7145	97 1 10 2 19 3 29
64 65 66 67	8215 9187	7339 8312 9284	8409 9382	8506 9479	8604 9576	8701 9673	8798 9771	7923 8895 9868	8993 9965	$\frac{9090}{0062}$	4 39 5 49 6 58 7 68
68 69 70	2104	1229 2201 3172	$\begin{array}{c} 1326 \\ 2298 \end{array}$	$\begin{array}{c} 1423 \\ 2395 \end{array}$	$\begin{array}{c} 1520 \\ 2492 \end{array}$	1618 2589	1715 2687		1909 2881	$\begin{array}{c} 2006 \\ 2978 \end{array}$	8 78 9 87
4471 72 73 74 75	5018 5989 6960	4144 5115 6086 7057 8027	5212 6183 7154	$\begin{array}{c} 5309 \\ 6280 \end{array}$	6377	5503 6474 7445		5698 6669 7639		5892	
76 77 78 79 80	9871 651 0841 1811	8998 9968 0938 1908 2877	$0065 \\ 1035 \\ 2005$	$0162 \\ 1132 \\ 2102$	1229 2198	$0356 \\ 1326 \\ 2295$	$1423 \\ 2392$	$\begin{array}{c} \overline{0550} \\ 1520 \end{array}$	1617 2586	1714 2683	
4481 82 83 84 85	4719 5687 6656	3846 4815 5784 6753 7721	4912 5881 6850	5009 5978 6947	5106 6075 7043	5203 6172 7140	6269 7237	4428 5397 6365 7334 8302	$6462 \\ 7431$	5591 6559 7528	
86 87 88 89 90	9561 652 0528 1496	8690 9657 0625 1593 2560	9754 0722 1690	9851 0819 1786	9948 0916 1883	$0045 \\ 1012 \\ 1980$	0141 $1109$ $2076$	$\begin{array}{r} 9270 \\ \hline 0238 \\ 1206 \\ 2173 \\ 3140 \end{array}$	0335 $1303$ $2270$	1399 2367	
92 93 94 95	4397 5364	3527 4494 5461 6427 7394	4591 5558	4688 5654 6621	4784 5751	4881 5847 6814	4978	4107 5074 6041 7007 7973	5171 6137	5268 6234 7200	
96 97 98 99	9229 653 0195 1160	9325 $0291$ $1256$	9422 $0388$ $1353$	9519 0484 1450	$\begin{array}{c} 0581 \\ 1546 \end{array}$	9712 0677 1643	9808 0774 1739	8939 9905 0870 1836	$0001 \\ 0967 \\ 1932$	$0098 \\ 1063 \\ 2029$	
4500	2125	2222	2318	2415	2511	2608	2704	2801	2897	2994	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4500 01 02 03 04 05	4055 5019 5984		3283 4248 5212	3380	3476 4441	3573 4537 5502 6466	3669 4634	5695	3862 4827	3958 4923 5887	
06 07 08 09 10	8876 9839 654 0802 1765	8972 9935	$8105 \\ \underline{9068} \\ 0032 \\ 0995 \\ 1958 \\ 2921$	$\begin{array}{c} 9165 \\ \hline 0128 \\ 1091 \end{array}$	1188 2151	$\begin{array}{r} 9357 \\ \hline 0321 \\ 1284 \\ 2247 \end{array}$	$\begin{array}{r} 9454 \\ \hline 0417 \\ 1380 \\ 2343 \end{array}$	$05\overline{13} \\ 1477 \\ 2439$	1573 2536	8779 9743 0706 1669 2632 3595	
4511 12 13 14 15	3691 4653 5616 6578	3787 4750 5712 6674	3883 4846 5808 6770	3980 4942 5904 6866	4076 5038 6000 6962	4172 5134 6097 7058	4268 5231 6193 7155	5327 6289 7251	4461 5423 6385 7347	4557 5519 6481 7443	
16 17 18 19 20	8501 9462 655 0423 1384	8597 9558 0520 1480	8693 9655 0616 1577	8789 9751 0712 1673	9847 0808 1769	8982 9943 0904 1865	$\begin{array}{c} 9078 \\ \hline 0039 \\ 1000 \\ 1961 \end{array}$	0135 $1096$ $2057$	$\begin{array}{c} 9270 \\ \hline 0231 \\ 1192 \\ 2153 \end{array}$	0327 $1288$ $2249$	96
4521 22 23 24 25	4266 5226 6186	4362 5322 6282		4554 5514 6474	4650 5610 6570	4746 5706 6666	3882 4842 5802 6762	4938 5898 6858	4074 5034 5994 6954	4170 5130 6090 7050	1 10 2 19 3 29 4 38 5 48 6 58
26 27 28 29 30	8105 9064 656 0023 0982	9160 0119 1078	$\begin{array}{c} 0215 \\ 1174 \end{array}$	8393 9352 0311 1270	9448 0407 1365	9544 0503 1461	8681 9640 0599 1557	8776 9736 0694 1653	9831 0790 1749	8968 9927 0886 1845	7 67 8 77 9 86
4531 32 33 34 35	2899 3857 4815 5773	2995 3953 4911 5869	5964	3186 4145 5103 6060	3282 4240 5198 6156	4336 5294 6252	3474 4432 5390 6347	6443	3666 4624 5581 6539	3761 4719 5677 6635	
36 37 38 39 40	7688 8645 9602 657 0559		7879 8836 9793 0750	9889 0845	9028 9985 0941	$8166 \\ 9123 \\ \hline 0080 \\ 1037$	$\begin{array}{c} \overline{0176} \\ 1132 \end{array}$	$\begin{array}{c} 9315 \\ \hline 0272 \\ 1228 \end{array}$	7496 8454 9410 0367 1324	$\frac{9506}{0463} \\ 1419$	
4541 42 43 44 45	2471 3427 4383 5339	3523 4479 5434	2663 3619 4574 5530	2758 3714 4670 5626	3810 4766 5721	2949 3905 4861 5817	4001 4957 5912	6008	3236 4192 5148 6103	4288 5243 6199	
46 47 48 49 4550	7250 8205		7441 8396 9350	7536 8491 9446	8587 9541	7727 8682 9637				$\begin{array}{c} 8109 \\ \underline{9064} \\ 0019 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4550 51 52 53 54 55	2023 2977 3930	1164 2118 3072 4026	1259	1355 2309 3263 4216	1450 2404 3358 4312	1545 2500 3453 4407	1641 2595 3549	4598	1832 2786 3740	1927 2881 3835 4788	
56 57 58 59 60	6790 7743 8696 9648	6886 7838 8791 9744	6028 6981 7934 8886 9839	7076 8029 8982 9934	$7171 \\ 8124 \\ 9077 \\ \hline 0029$	$\frac{9172}{0125}$	$7362 \\ 8315 \\ \underline{9267} \\ 0220$	$7457 \\ 8410 \\ \underline{9363} \\ 0315$	$8505 \\ 9458 \\ \hline 0410$	$7648 \\ 8601 \\ \underline{9553} \\ \overline{0506}$	
4561 62 63 64 65	2505 3456 4408	1648 2600 3552 4503	0791 1743 2695 3647 4598 5549	1838 2790 3742 4693	1934 2885 3837 4788	2029 2981 3932 4883		2219 3171 4122 5074	$\begin{array}{c} 2314 \\ 3266 \end{array}$	2410 3361 4313 5264	
66 67 68 69 70 4571	6310 7261 8212	6405 7356 8307 9257	6500 7451 8402 9352	6595 7546 8497 9447	6690 7641 8592 9542	6786 7736 8687 9637	6881 7831 8782 9732 0682	$6976 \\ 7926$	7071 8021 8972 9922	7166 8117 9067	95
72 73 74 75 76	1062 2012 2962 3911	1157 2107 3057 4006		1347 2297 3246 4196	$\begin{array}{c} 1442 \\ 2392 \end{array}$	1537 2487 3436	1632 2582 3531 4481	1727 2677 3626 4575 5524	1822 $2772$ $3721$	1917 2867	1 10 2 19 3 29 4 38 5 48 6 57
77 78 79 80	5809 6758 7706 8655	5904 6853 7801 8750	5999 6948 7896 8844 9793	6094 7042 7991 8939	6189 7137 8086 9034	6284 7232 8181 9129	6378 7327 8275 9224	$6473 \\ 7422$	6568 7517 8465 9413	6663 7612 8560 9508	7 67 8 76 9 86
82 83 84 85	661 0551 1499 2446 3393	0646 1593 2541 3488		0835 1783 2730 3678	0930 1878 2825 3772	1025 1972 2920 3867	1120 $2067$ $3015$	1214 2162 3109 4056	1309 2257 3204	1404 2351 3299 4246	
86 87 88 89 90	5287 6234 7181 8127	5382 6329 7275 8221	5477 6423 7370 8316	5571 6518 7464 8411	5666 6613 7559 8505	5761 6707 7654 8600	5855 6802 7748 8695	5950 6897 7843 8789	6045 6991 7938 8884	6139 7086 8032 8978	
4591 92 93 94 95	662 0019 0964 1910 2855	0113 1059 2004 2950	1154 2099 3044	0303 1248 2194 3139	0397 1343 2288 3233	0492 1437 2383 3328	0586 1532 2477 3422	3517	0775 1721 2666 3611	0870 1815 2761 3706	
96 97 98 99 4600	4745 5690 6634	4840 $5784$ $6729$	3989 4934 5879 6823 7767	5028 5973 6917	5123 6067 7012	5217 6162 7106	$6256 \\ 7201$	4462 5406 6351 7295 8239	5501 6445 7389	5595 6540 7484	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4600 01 02 03 04 05	9466 663 0410	8617 9561 0504 1447	8711 9655 0598 1542	8805 9749 0693	8900 9844 0787 1730	8994 9938 0881 1825	$\begin{array}{c} 9089 \\ \hline 0032 \\ 0976 \\ 1919 \end{array}$		$\begin{array}{c} 9277 \\ \hline 0221 \\ 1164 \\ 2108 \end{array}$	$\begin{array}{c} 9372 \\ \hline 0315 \\ 1259 \\ 2202 \end{array}$	
06 07 08 09 10	6067		4371 5313 6256	6350	4559 5502 6444	4653 5596 6538 7480	4748 5690 6632 7574	3899 4842 5784 6727 7669	4936 5879 6821 7763	5973 6915 7857	
12 13 14 15	8893 9835 664 0776 1717	1811	$\begin{array}{c} 9081 \\ \hline 0023 \\ 0964 \\ 1905 \end{array}$	$\begin{array}{c} 9175 \\ \hline 0117 \\ 1058 \\ 1999 \end{array}$	1152 2093	$\begin{array}{r} 9364 \\ \hline 0305 \\ 1247 \\ 2188 \end{array}$	$\begin{array}{r} 9458 \\ \hline 0399 \\ 1341 \\ 2282 \end{array}$	$8610 \\ \underline{9552} \\ \overline{0494} \\ 1435 \\ 2376$	$\begin{array}{r} 9646 \\ \hline 0588 \\ 1529 \\ 2470 \end{array}$	$\begin{array}{r} 9740 \\ \hline 0682 \\ 1623 \\ 2564 \end{array}$	
16 17 18 19 20	3599 4539 5480 6420	2752 3693 4633 5574 6514	3787 4727 5668 6608	3881 4821 5762 6702	3975 4915 5856 6796	4069 5009 5950 6890	4163 5104 6044 6984	3317 4257 5198 6138 7078	4351 5292 6232 7172	4445 5386 6326 7266	94
4621 22 23 24 25	8299 9239 665 0178 1117	1211	8487 9427 0366 1305	8581 9521 0460 1399	8675 9615 0554 1493	8769 9709 0648 1587	8863 9803 0742 1681	8018 8957 9896 0836 1775	9051 9990 0930 1869	$\begin{array}{c} 9145 \\ \hline 0084 \\ 1023 \\ 1962 \end{array}$	1 9 2 19 3 28 4 38 5 47 6 56
26 27 28 29 30	2995 3934 4872 5810	5904	3183 4121 5059 5998	3277 4215 5153 6091	3370 4309 5247 6185	3464 4403 5341 6279	3558 4497 5435 6373	2713 3652 4590 5529 6466	3746 4684 5622 6560	3840 4778 5716 6654	7 66 8 75 9 85
32 33 34 35	8623 9560 666 0497	7779 8717 9654 0591	8810 9748 0685	8904 9841 0778	8061 8998 9935 0872	$8154 \\ 9092 \\ \hline 0029 \\ 0966$	$8248 \\ \underline{9185} \\ \overline{0123} \\ 1060$	$7404 \\ 8342 \\ 9279 \\ \hline 0216 \\ 1153$	$\frac{9373}{0310} \\ 1247$	$8529 \\ 9467 \\ \hline 0404 \\ 1341$	
36 37 38 39 40	2371 3307 4244 5180	1528 2465 3401 4337 5273	2558 3495 4431 5367	2652 3588 4525 5461	2746 3682 4618 5554	2839 3776 4712 5648	2933 3869 4805 5741	2090 3027 3963 4899 5835	3120 4056 4993 5929	3214 4150 5086 6022	
4641 42 43 44 45	7051 7987 8922 9857	8080 9016 9951	$7238 \\ 8174 \\ \underline{9109} \\ 0044$	$7332 \\ 8267 \\ \underline{9203} \\ 0138$	$7426 \\ 8361 \\ \underline{9296} \\ 0231$	$7519 \\ 8454 \\ \underline{9390} \\ 0325$	$7613 \\ 8548 \\ \underline{9483} \\ 0418$	$8642 \\ 9577 \\ \hline 0512$	$7800 \\ 8735 \\ 9670 \\ \hline 0605$	7893 8829 9764 0699	
46 47 48 49 4650	2661 3595	0886 1820 2755 3689 4623	1914 2848 3782	2007 2941 3876	2101 3035 3969	2194 3128 4063	2287 3222 4156	1446 2381 3315 4249 5183	2474 3409 4343	2568 3502 4436	

	_	-		0		-	0		_	0	-
No.	0	1	2	3	4	5	6	7	8	9	Diff.
4650	667 4530	4623 5557						5183 6117			
52		6490						7051			
53	7331	7424	7517	7611	7704	7797	7891	7984	8077	8170	
54		8357						8917			
55		9290		9477				9850			
56 57	668 0130	$0223 \\ 1156$						$0783 \\ 1715$			
58		2088						2647			
59		3020						3580			
60	3859	3952	4046	4139	4232	4325	4418	4511	4605	4698	
4661		4884					5350				
62 63		5816 6747			6095 7027			6375 7306			
64		7679		7865				8237			
65	8516	8610	8703	8796	8889	8982	9075	9168	9261	9354	
66					9820			$\overline{0}\overline{0}\overline{9}\overline{9}$			
67	669 0378							1029			
68		$\begin{array}{c} 1402 \\ 2332 \end{array}$		1588 2518				$\frac{1960}{2890}$			
70		3262						3820			93
4671	4099	4192	4285	4378	4471	4564	4656	4749	4842	4935	1 9
72		5121						5679			2 19
73 74		6051 6980						6608 7537			3 28 4 37
75		7909						8466		8652	5 47
76	8745	8838	8931	9024	9117	9209	9302	9395	.9488	9581	6 56 7 65
77		9767						$\overline{0324}$			8 74 9 84
78 79	670 0602	0695 1623						$1252 \\ 2180$			9 84
80		2551						3108			
4681	3386	3479	3572	3665	3758	3850	3943	4036	4129	4221	
82		4407			4685			4963			
83		5334 6262					5798 6725	5891	5983 6911		
84 85		7189					7652			7930	
86		8116				8486	8579	8672	8764	8857	
87		9042						9598			
88		9969						0524			
89	671 0802	1821						$\frac{1451}{2377}$			
4691		2747						3302			
92		3673						4228			
93		4598						5153			
94 95		5523 6448						$6078 \\ 7003$			
96		7373						7928			
97		8298						8853			
98		9223			9500			9777			
4700	672 0054				$0424 \\ 1348$			$0701 \\ 1625$			1
2100	0979	1011	1103	1200	1348	1441	1000	1020	1119	1010	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
4700 01 02 03 04 05	1	1903 2826 3750 1673	1071 1995 2919 3842 4765 5689	2087 3011 3934 4858	2180 3103 4027 4950	2272 3196 4119	4211	2457 3380 4304	3473	$\begin{array}{c} 4488 \\ 5412 \end{array}$	3657 4581	
06 07 08 09 10	673	7442 8365 9287 0209	6612 7534 8457 9379 0301	7627 8549 9471 0393	7719 8641 9564 0486	7811 8734 9656 0578	8826 9748 0670	7996 8918 9840 0762	7165 8088 9010 9932 0854	$\begin{array}{c} 8180 \\ \underline{9102} \\ \overline{0025} \\ 0947 \end{array}$	$\frac{9195}{0117} \\ 1039$	,
4711 12 13 14 15	12	2053 2974 3896 4817	1223 2145 3067 3988 4909 5830	2237 3159 4080 5001	2329 3251 4172 5093	2421 3343 4264 5185	2514 3435 4356 5277	2606 3527 4449	1776 2698 3619 4541 5462 6383	2790 3712 4633	2882 3804 4725 5646	
17 18 19 20 4721		6659 7579 8500 9420	6751 7671 8592 9512 0432	6843 7763 8684 9604	6935 7856 8776 9696	7027 7948 8868 9788	7119 8040 8960 9880	7211 8132 9052 9972	7303 8224 9144	$7395 \\ 8316 \\ 9236 \\ \hline 0156$	7487 8408 9328	92
22 23 24 25 26		1260 2179 3099 4018	1352 2271 3191 4110 5029	1444 2363 3283 4202	1536 2455 3375 4294	1628 2547 3467 4386	2639 3559 4478	2731 3650 4570		1996 2915 3834 4753	2088 3007 3926 4845	2 18 3 28 4 33 5 4 6 55 7 6
27 28 29 30 4731		$6775 \\ 7693$		6958 7877 8795 9713	7050 7969 8887 9805	7142 8060 8979 9897	7234 8152 9070	7326 8244 9162		7509 8428 9346	7601 8520 9438	9 8
32 33 34 35 36	675	2283 3200 4117	1457 2374 3292 4209	1549 2466 3383 4300	1640 2558 3475 4392	2649 3567 4484	1824 2741 3658 4575	1916 2833 3750 4667	1090 2007 2925 3842 4759	2099 3016 3934 4850	2191 3108 4025 4942	
37 38 39 40 4741		5951 6867 7783 8700	6042 6959 7875 8791	6134 7050 7967 8883	6226 7142 8058 8974	5401 6317 7234 8150 9066	6409 7325 8242 9158	6501 7417 8333 9249	8425 9341	6684 7600 8516 9432	6775 7692 8608 9524	
42 43 44 45 46	676	0531 1447 2362 3277	0623 1538 2454 3369	0714 1630 2545 3460	0806 1721 2637 3552	3643	0989 1905 2820 3735	1081 1996 2911 3826	0257 $1172$ $2088$ $3003$ $3918$	1264 2179 3094 4009	3186 4101	
47 48 49 4750		5107 6022	5199 6113	5290 6205	5382 6296	4558 5473 6387 7302	5564 6479	5656 6570	4833 5747 6662 7576	5839 6753	5930 6845	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4750 51 52 53 54 55	8764	7942 8856 9770 0683	8033 8947 9861	8125 9038 9952 0866	$\begin{array}{c} 8216 \\ \underline{9130} \\ 0044 \end{array}$	8307 $9221$ $0135$ $1049$	$8399 \\ \underline{9313} \\ \overline{0226} \\ 1140$	$7576 \\ 8490 \\ \underline{9404} \\ 0318 \\ 1231 \\ 2145$	$8582 \\ \underline{9495} \\ 0409 \\ 1323$	$\begin{array}{r} 8673 \\ \underline{9587} \\ 0500 \\ 1414 \end{array}$	
56 57 58 59 60	2418 3332 4244 5157	2510 3423 4336 5248 6161	2601 3514 4427 5340	2692 3605 4518 5431	2784 3697 4609 5522	2875 3788 4701 5613	2966 3879 4792 5705	3058 3971 4883 5796 6708	3149 4062 4975 5887	3240 4153 5066 5978	
4761 62 63 64 65	7894 8806	7073 7985 8897 9809 0720	8076 8988 9900	8168 9079 9991	9171	$\begin{array}{r} 8350 \\ \underline{9262} \\ \overline{0173} \end{array}$	9353	$7620 \\ 8532 \\ \underline{9444} \\ 0356 \\ 1267$	$8623 \\ \underline{9535} \\ \overline{0447}$	8715 9626	
66 67 68 69 70	2452 3362 4273 5184	1632 2543 3454 4364 5275	2634 3545 4455 5366	2725 3636 4546 5457	2816 3727 4637 5548	2907 3818 4729 5639	2998 3909 4820 5730	2178 3089 4000 4911 5821	3180 4091 5002 5912	3271 4182 5093 6003	91
4771 72 73 74 75	7004 7914 8824 9734	6185 7095 8005 8915 9825	7186 8096 9006 9916	$7277 \\ 8187 \\ \underline{9097} \\ \overline{0007}$	$7368 \\ 8278 \\ \underline{9188} \\ \overline{0098}$	$7459 \\ 8369 \\ 9279 \\ \hline 0188$	$7550 \\ 8460 \\ \underline{9370} \\ 0279$	$6731 \\ 7641 \\ 8551 \\ \underline{9461} \\ 0370$	$7732 \\ 8642 \\ \underline{9552} \\ 0\overline{461}$	$7823 \\ 8733 \\ 9643 \\ \hline 0552$	1 9 2 18 3 27 4 36 5 46 6 55
76 77 78 79 80	2461 3370 4279	1643 2552 3461 4370	1734 2643 3552 4461	1825 2734 3643 4552	1916 2825 3734 4642	2007 2916 3825 4733	2098 3007 3916 4824	1280 2189 3098 4006 4915	2280 3189 4097 5006	2371 3279 4188 5097	7 64 8 73 9 82
82 83 84 85	6096 7004 7912 8819		6277 7185 8093 9001	6368 7276 8184 9092	6459 7367 8275 9182	6550 7458 8366 9273	6641 7549 8456 9364	5823 6731 7639 8547 9455	6822 7730 8638 9545	6913 7821 8729 9636	
86 87 88 89 90	680 0634 1541 2448 3355	1632 2539 3446	0816 1723 2630 3536	0906 1814 2720 3627	0997 1904 2811 3718	1088 1995 2902 3808	1179 2086 2992 3899	0362 1269 2176 3083 3990	1360 2267 3174 4080	1451 2358 3264 4171	
92 93 94 95	5168 6074 6980 7886	7977	5349 6256 7161 8067	5440 6346 7252 8158	5531 6437 7343 8248	5621 6527 7433 8339	5712 6618 7524 8430	4896 5802 6709 7614 8520	5893 6799 7705 8611	5984 6890 7796 8701	
96 97 98 99 4800	9697 681 0602 1507	8882 9788 0693 1598 2503	$9878 \\ 0783 \\ 1688$	9969 0874 1779	$ \begin{array}{c} \overline{0059} \\ 0964 \\ 1869 \end{array} $	0150 $1055$ $1960$	0240 $1145$ $2050$	$\begin{array}{r} 9426 \\ \hline 0331 \\ 1236 \\ 2141 \\ 3046 \\ \end{array}$	$0421 \\ 1327 \\ 2231$	$05\overline{12} \\ 1417 \\ 2322$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
4800 01 02 03 04	4222 5126 6030	3408 4312 5216 6120	3498 4402 5307 6211	3588 4493 5397 6301	3679 4583 5488	3769 4674 5578 6482	3860 4764 5668 6572	3046 3950 4855 5759 6663	4041 4945 5849	4131 5035	
05 06 07 08 09 10	8741 9645 682 0548	7928 8832 9735	8922 9825 0728	8109 9012 9916 0819	$\begin{array}{c} 9103 \\ \hline 0006 \\ 0909 \end{array}$	$\begin{array}{c} 8289 \\ \underline{9193} \\ \overline{0096} \\ 0999 \end{array}$		$\frac{9374}{0277}$ 1180	7657 8561 9464 0367 1270 2173	$\frac{9554}{0457}$	
4811 12 13 14 15	2354 3256 4159 5061	2444 3346 4249 5151 6053	2534 3437 4339 5241	2624 3527 4429 5331	2715 3617 4520 5422	2805 3707 4610 5512	2895 3798 4700 5602		3076 3978 4880 5783	3166 4068 4971 5873	
16 17 18 19 20	8668 9569 683 0470	7857 8758 9659 0560	8848 9750 0651	8037 8938 9840 0741	8127 9029 9930 0831	$8217 \\ \underline{9119} \\ \overline{0020} \\ 0921$	$\begin{array}{c} 9209 \\ \hline 0110 \\ 1011 \end{array}$	$8398 \\ \underline{9299} \\ \overline{0200} \\ 1101$	$\begin{array}{c} 9389 \\ \hline 0290 \\ 1191 \end{array}$	8578 9479 0380 1281	90
4821 22 23 24 25	2272 3173 4073 4973	1461 2362 3263 4163 5063	2452 3353 4253 5153	2542 3443 4343 5243	2632 3533 4433 5333	2722 3623 4523 5423	3713 4613 5513	2902 3803 4703 5603	3893 4793 5693	3983 4883 5783	1 9 2 18 3 27 4 36 5 45 6 54
26 27 28 29 30	7673 8572 9471	6863 7763 8662 9561	7853 8752 9651	7043 7942 8842 9741	7133 8032 8932 9831	7223 8122 9022 9921	$7313 \\ 8212 \\ \underline{9112} \\ 0011$	$   \begin{array}{c}     6503 \\     7403 \\     8302 \\     \hline     9202 \\     \hline     0101   \end{array} $	$7493 \\ 8392 \\ \underline{9291} \\ 0191$	$7583 \\ 8482 \\ \underline{9381} \\ 0280$	7 63 8 72 9 81
4831 32 33 34 35	2168 3066 3965	1359 2258 3156 4055	1449 2348 3246 4144	1539 2438 3336 4234	1629 2527 3426 4324	1719 2617 3516 4414	1808 2707 3605 4504	1000 1898 2797 3695 4594	1988 2887 3785 4683	2078 2977 3875 4773	
36 37 38 39 40	6659 7556 8454	5851 6748 7646 8543	6838 7736 8633	6030 6928 7825 8723	6120 7018 7915 8813	6210 7107 8005 8902	7197 8095 8992	8184 9082	7377 8274 9171	7466 8364 9261	
4841 42 43 44 45	685 0248 1145 2041 2938	1234 2131 3027	0427 1324 2221 3117	0517 1414 2310 3207	0607 1503 2400 3296	1593 2490 3386	0786 1683 2579 3476	0876 1772 2669 3565	1862 2759 3655	1055 1952 2848 3744	
46 47 48 49 4850	4730 5626 6522	3924 4820 5716 6611 7507	4909 5805 6701	4999 5895 6791	5089 5984 6880	6074 6970	5268 6164 7059	6253	4551 5447 6343 7238 8134	6432 7328	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
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56 57 58 59 60	4575 5469	3770 4665 5558	2966 3860 4754 5648 6541	3949 4843 5737	4039 4933 5826	$\frac{4128}{5022}$	$\begin{array}{c} 5111 \\ 6005 \end{array}$	3413 4307 5201 6095 6988	4396 5290 6184	4486 5380	
4861 62 63 64 65	8150 9043 9936 687 0828	$\begin{array}{c} 9132 \\ \hline 0025 \\ 0918 \end{array}$	8328 $9221$ $0114$ $1007$	$\begin{array}{c} 9311 \\ \hline 0204 \\ 1096 \end{array}$	$\begin{array}{c} 8507 \\ \underline{9400} \\ 0293 \\ 1186 \end{array}$	$8596 \\ 9489 \\ \hline 0382 \\ 1275$	$8685$ $9578$ $\overline{0471}$ $1364$	$7882 \\ 8775 \\ 9668 \\ \hline 0561 \\ 1453$	$8864 \\ 9757 \\ \hline 0650 \\ 1543$	$\begin{array}{c} 9846 \\ \hline 0739 \\ 1632 \end{array}$	
66 67 68 69 70	2613 3506 4398 5290	2703 3595 4487 5379	1900 2792 3684 4576 5468	2881 3773 4665 5557	3863 4755 5646	3060 3952 4844	$\begin{array}{c} 4041 \\ 4933 \end{array}$	2346 3238 4130 5022 5914	$\begin{array}{c} 4219 \\ 5111 \end{array}$	3416 4309 5200	89
4871 72 73 74 75	7073 7964 8855	8053 8944 9835	7251 8142 9033 9924	$8231 \\ \underline{9123} \\ \overline{0013}$	$7429 \\ 8321 \\ \underline{9212} \\ 0103$	7518 8410	7608 8499 9390	$6805 \\ 7697 \\ 8588 \\ \underline{9479} \\ \overline{0370}$	7786 8677 9568	7875 8766	1 9 2 18 3 27 4 36 5 45 6 53
76 77 78 79 80	2418 3308	1617 2507 3397	0815 1706 2596 3486 4376	1795 2685 3575	1884 2774 3664	1973 2863 3753	2952	1260 2151 3041 3931 4821	$\begin{array}{c} 3130 \\ 4020 \end{array}$		7 62 8 71 9 80
4881 82 83 84 85	6867 7757	6067 6956 7845	6156 7045	$\begin{array}{c} 7134 \\ 8023 \end{array}$	6334 7223 8112	6423 7312 8201	6511	7490 8379	6689	7668 8557	
86 87 88 89 90	689 0423 1312 2200	$0512 \\ 1401 \\ 2289$	9712 0601 1490 2378 3266	$0690 \\ 1579 \\ 2467$	0779	$0868 \\ 1756 \\ 2645$	0957	0157 1045 1934 2822 3710	1134 $2023$ $2911$	3000	
4891 92 93 94 95	4864 5752	4953 5841 6728	4154 5042 5930 6817 7704	5131 6018 6906	6107	5308 6196 7083	4509 5397 6285 7172 8059	7261	4687 5575 6462 7350 8237		
96 97 98 99 4900	9301 6900188 1074	$9390 \\ 0276 \\ 1163$	0365	9567 0454 1340	9656 0542 1429	9744 0631 1518	$9833 \\ 0720 \\ 1606$	9035 9922 0808 1695 2581	$0010 \\ 0897 \\ 1784$	0099 $0986$ $1872$	

Γ	No.		0	1	2	3	4	5	6	7	8	9	Diff.
	4900	600					2315	_	2493			2758	Dill.
	01	030					3201			3467		3644	
	02						4087		4265				
	03 04						4973 5859	5062 $5947$			5327 $6213$		
1	05		6390				6744		6921				
	06		7275	7364	7452	7541	7630	7718	7807	7895	7984	8072	
	07		8161	8249	8338	8426	8515				8869		
ı	08						$\frac{9399}{0004}$				9753		
	09 10	691		0019		1080	$0284 \\ 1169$	1257			$\begin{array}{c} 0638 \\ 1522 \end{array}$		
ı	4911	001	1699				2053			2318			
	12			2672							3291		
	13						3821				4175		
ı	14		4352		4528						5058	5147 6030	
	15		5235				5589		5765				
-	16 17		$6119 \\ 7002$		6295 $7179$					$\begin{array}{c} 6737 \\ 7620 \end{array}$			
	18		7885		8062						8592		
	19			8857			9121				9474		
	20			9739						0269			88
1	4921	692		0622							1240		1 9
	22 23			$1504 \\ 2387$							$2122 \\ 3004$		2 18 3 26
	24			3269							3886		4 35
	25		4062	4151	4239	4327	4415	4503	4591	4680	4768	4856	5 44 6 53
	26			5032						5561			7 62
	27 28			5914							$6531 \\ 7412$		8 70 9 79
	29			6795 7676							8293		9 79
	30			8557			8822				9174		
4	1931		9350	9438	9526	9614	9702	9790	9878	9967	$\overline{0055}$	$\overline{0}\overline{1}\overline{4}\overline{3}$	
	32	693		0319							0935		
	33			1199 2079			1463 2344		1639		1815 2696		
	35			2960							3576		
1	36		3752	3839	3927	4015	4103	4191	4279	4367	4455	4543	
	37			4719							5335		
	38		5511 6390	5599 6478							6214		
	40		-				$6742 \\ 7621$		6918 7797		7094 7973		
4	1941			8236				8588			8852		
	42		9027	9115	9203	9291	9379	9467	9555	9643	9730	9818	
	43	00.		9994		0170					0609		
	44 45			$0872 \\ 1751$			$\frac{1136}{2014}$				1487 2366	1575 2453	
	46			2629							3244		
	47			3507							4121		
1	48		4297	4385	4472	4560	4648	4736	4824	4911	4999	5087	
1	49			5262							5877		
4	950		0002	6140	0ZZ7	0310	0403	0491	0078	0000	6754	0842	

-	1			-							1
No.	0	1	2	3	4	5	С	7	8	9	Diff.
4950	694 6052		6227		6403	6491			6754		
51 52			$7105 \\ 7982$						7631 8508		
53			8859				9209		9385		
54			9735				$\overline{0086}$		$\overline{0261}$		10
55	695 0437	0524	0612	0700	0787	0875	0962	1050	1138	1225	
56			1488		1663		1839		2014		
57			2364						2890		
58 59			3240 4116						$3766 \\ 4642$		
60	4817		4992		5167				5517		
4961	5692	5780	5867	5955	6042	6130	6217	6305	6393	6480	
62			6743		6918				7268		
63			7618						8143		
64			8493 9367		9542		9717		$9018 \\ 9892$	9105	
66	696 0067								0767		
67			1116						1641		
68			1991						2515		
69			2865						3389		
70			3739						4263		87
4971		4525			4787				5137		1 9
72 73			5486 6359						6010 6883		2 17
74		7145		7320					7756		3 26 4 35
75	7931	8018	8105	8193	8280		8455		8629	8716	5 44
76	8804	8891	8978	9066	9153		9327				6 52 7 61
77			9851						$\overline{0374}$		8 70
78 79	697 0549		0723 1596						$1247 \\ 2119$		9 78
80			2468						2991		
4981			3340		3514	3601			3863		
82			4212		4386				4735		
83			5083						5606		
84			5955 6826		6129 7000		6303 7174		6477	6565 7436	
85											
86 87			7697 8568			7958 8829			8220 9090		
88			9439						9961		
89	698 0135								0831		
90		1092		1267					1702		
4991			2050		2224				2572		
92   93			2920 3790						3442 4311		
94			4659						5181		
95		5442			5703				6050		
96			6398			6659					
97			7267						7789		
98			8136			8397 9266			8658		
99 5000			9005 9874			$\frac{9200}{0134}$					0
	699	-,-,				0101				- 102	

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		
01 6990569 0655 0742 0829 0916 1003 1090 1176 126 02 1437 1524 1611 1697 1784 1871 1958 2045 213 03 2305 2392 2479 2565 2652 2739 2826 2913 299 04 3173 3260 3347 3433 3520 3607 3694 3780 386 05 4041 4128 4214 4301 4388 4475 4561 4648 473 06 4908 4995 5082 5169 5255 5342 5429 5516 560 07 5776 5863 5949 6036 6123 6210 6296 6383 647 08 6643 6730 6817 6903 6990 7077 7163 7250 733 09 7510 7597 7684 7770 7857 7944 8031 8117 820 10 8377 8464 8551 8637 8724 8811 8897 8984 907 5011 9244 9331 9417 9504 9591 9677 9764 9851 993 10 9377 1064 1150 1237 1324 1410 1497 1583 167 14 1843 1930 2017 2103 2190 2276 2363 2450 253 15 2709 2796 2883 2969 3056 3142 3229 3316 340 16 3575 3662 3748 3835 3922 4008 4095 4181 426 17 4441 4528 4614 4701 4787 4874 4960 5047 513 18 5307 5393 5480 5566 5663 5739 5826 5912 599 19 6172 6258 6345 6432 6518 6605 6691 6778 688 19 6172 6258 6345 6432 6518 6605 6691 6778 688 20 7037 7124 7210 7297 7383 7470 7556 7643 772 5021 7902 7989 8075 8162 8248 8335 8421 8508 859 21 22 8767 8854 8940 9027 9113 9199 9286 9372 945 22 8767 8854 8940 9027 9113 9199 9286 9372 945 23 9632 9718 9805 9891 9978 0064 0151 0237 032 24 7010496 0583 0669 0756 0842 0929 1015 1101 118 25 1361 1447 1534 1620 1706 1793 1879 1966 205 27 3089 3175 3262 3348 3434 3521 3607 3694 378 28 3953 4039 4125 4212 4298 4385 4471 4557 464	9	Diff.
$\begin{array}{c} 07\\ 08\\ 6643\\ 6730\\ 6817\\ 6847\\ 7510\\ 7597\\ 7684\\ 7770\\ 7857\\ 7944\\ 8811\\ 897\\ 8984\\ 907\\ 709\\ 7510\\ 7510\\ 7597\\ 7684\\ 7770\\ 7857\\ 7944\\ 8811\\ 8897\\ 8984\\ 907\\ 8377\\ 8464\\ 8551\\ 8637\\ 8724\\ 8811\\ 8897\\ 8984\\ 907\\ 901\\ 9244\\ 9331\\ 9417\\ 9504\\ 9551\\ 9677\\ 9764\\ 9851\\ 993\\ 700\\ 0111\\ 0197\\ 0284\\ 0371\\ 0454\\ 0457\\$	3 1350 1 2218 9 3086 7 3954	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 6556 7 7424 4 8291 1 9157 7 0024	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 1757 6 2623 2 3489	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	3 5220 9 6085 4 6951	87
27 3089 3175 3262 3348 3434 3521 3607 3694 378 28 3953 4039 4125 4212 4298 4385 4471 4557 464	$   \begin{array}{ccccccccccccccccccccccccccccccccccc$	1 9 2 17 3 26 4 35 5 44 6 52
30 5680 5766 5853 5939 6025 6112 6198 6284 637	3866 4 4730 7 5594	7 61 8 70 9 78
$ \begin{bmatrix} 5031 \\ 32 \\ 7406 & 7493 & 7579 & 7665 & 7752 \\ 8269 & 8356 & 8442 & 8528 & 614 \\ 8269 & 8356 & 8442 & 8528 & 614 \\ 8269 & 8368 & 8269 & 8365 & 8442 \\ 8269 & 8368 & 8428 & 8614 \\ 8270 & 8288 & 8148 \\ 8281 & 8281 & 8281 \\ 8281 & 8281 & 8281 \\ 8282 & 8281 & 8281 \\ 8282 & 8281 & 8701 & 8787 & 8873 \\ 8282 & 8281 & 8701 & 8787 & 8873 \\ 8282 & 8281 & 8281 & 8281 \\ 8282 & 8281 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8282 & 8281 \\ 8$	7 8183 0 9046 2 9908	
36 702 0857 0943 1030 1116 1202 1288 1375 1461 154 37 1720 1806 1892 1978 2064 2151 2237 2323 240 2582 2668 2754 2840 2926 3013 3099 3185 327 39 3444 3530 3616 3702 3788 3874 3961 4047 413 40 4305 4392 4478 4564 4650 4736 4822 4909 499	9 2495 1 3357 3 4219	
	7 6804 9 7665 9 8526	
46 9472 9559 9645 9731 9817 9903 9989 $\overline{0075}$ $\overline{016}$ 47 703 0333 0419 0505 0591 0677 0763 0849 0935 102 48 1193 1279 1366 1452 1538 1624 1710 1796 188 49 2054 2140 2226 2312 2398 2484 2570 2656 274 5050 2914 3000 3086 3172 3258 3344 3430 3516 360	1 1107 2 1968 2 2828	

ent and a second											
No.	0	1	2	3	4	5	6	7	8	9	Diff.
5050 51 52 53 54	4633 5493 6352	3860 4719 5579 6438	$3946 \\ 4805 \\ 5665 \\ 6524$	4032 4891 5751 6610	4118 4977 5837 6696	4204 5063 5923 6782	4290 5149 6009 6868	6095 6954	4461 5321 6181 7040	4547 5407 6266 7126	
55 56 57 58 59 60	8071 8930 9788 7040647	9015 9874 0733	8242 9101 9960	$\begin{array}{c} 9187 \\ \hline 0046 \\ 0904 \end{array}$	0990	$\begin{array}{c} 8500 \\ \underline{9359} \\ 0218 \\ 1076 \end{array}$	$\begin{array}{r} 9445 \\ \hline 0303 \\ 1162 \end{array}$	7813 8672 9531 0389 1248 2106	$\frac{9617}{0475}$ 1334	$\begin{array}{c} 9702 \\ \hline 0561 \\ 1419 \end{array}$	
5061 62 63 64 65	2363 3221 4079 4937	2449 3307 4165 5023	2535	2621 3479 4337 5194	2707 3565 4422	2792 3650 4508 5366	2878 3736	2964 3822 4680 5537	3050 3908 4765	3136 3993 4851 5709	
66 67 68 69 70	8366	7595 8452 9309	6823 7680 8537 9394 0251	7766 8623 9480	8709	7938 8795 9651	8023 8880 9737	7252 8109 8966 9823 0679	8195 9052 9908	8280 9137 9994	86
5071 72 73 74 75	1792 2649 3505	$\begin{array}{c} 1878 \\ 2734 \end{array}$	1107 1964 2820 3676 4532	$\begin{array}{c} 2049 \\ 2905 \end{array}$	$2135 \\ 2991$	2221 3077 3933	3162	2392 3248 4104	3333	2563 3419	1 9 2 17 3 26 4 34 5 43 6 52
76 77 78 79 80	6072 6927 7782 8637	6157 7012 7868 8723	5387 6243 7098 7953 8808	6328 7184 8039 8894	7269 8124 8979	6499 7355 8210 9065	7440 8295 9150	5815 6670 7526 8381 9236	7611 8466 9321	6841 7697 8552 9406	7 60 8 69 9 77
5081 82 83 84 85	706 0347 1201 2055 2910	0432 1287 2141 2995	1372 2226 3080	$0603 \\ 1457 \\ 2312$	1543 2397	0774 1628 2483 3337	0859 1714 2568 3422	3507	1030 1885 2739 3593	1116 1970 2824 3678	
86 87 88 89 90	4617 5471 6325 7178	5556 6410 7263	4788 5642 6495 7348	5727 6581 7434	6666 7519	5044 5898 6751 7604	5983 6837 7690	5215 6068 6922 7775	5300 6154 7007 7860	6239 7092 7946	
5091 92 93 94 95	8884 9737 707 0589 1442	8969 9822 0675 1527	1612	9140 9993 0845 1698	0930 1783	$\begin{array}{r} 9310 \\ \hline 0163 \\ 1016 \\ 1868 \end{array}$	$\begin{array}{c} 9396 \\ \hline 0248 \\ 1101 \\ 1953 \end{array}$	1186 2039	$\begin{array}{c} 9566 \\ \hline 0419 \\ 1271 \\ 2124 \end{array}$	$\begin{array}{r} 9651 \\ \hline 0504 \\ 1357 \\ 2209 \end{array}$	
96 97 98 99 5100	3146 3998 4850	3232 $4083$ $4935$	2465 3317 4169 5020 5872	$3402 \\ 4254 \\ 5106$	3487 4339 5191	3572 4424 5276	3658 4509 5361	2891 3743 4595 5446 6298	3828 4680 5531	5617	

I 87

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
5100 01 02 03 04 05	7405 8256 9107	6638 7490 8341 9192	6724 7575 8426	6809 7660 8511 9362	6894 7745 8596	6979 7830 8681 9532	7064 7915	$\begin{array}{c} 6298 \\ 7149 \\ 8000 \\ 8851 \\ \underline{9702} \\ \overline{0553} \end{array}$	7234 8085 8936 9787	7319 8171 9022	
06 07 08 09 10	2509 3359	1744 2594 3444	1829		1999 2849	2084 2934 3784	2169 3019 3869	1403 2254 3104 3954 4804	3189 4039	2424 3274 4124	
5111 12 13 14 15	5908 6758 7607 8456	5993 6843 7692 8541	5229 6078 6928 7777 8626	6163 7013 7862 8711	6248 7098 7947 8796	6333 7183 8032 8881	6418 7268 8117 8966	5654 6503 7352 8202 9051	6588 7437 8287 9136	6673 7522 8371 9220	
16 17 18 19 20	709 0154 1003 1851	$0239 \\ 1088 \\ 1936$	9475 0324 1173 2021 2869	$0409 \\ 1257 \\ 2106$	$0494 \\ 1342 \\ 2191$	0579 1427 2275	$0663 \\ 1512 \\ 2360$	9900 0748 1597 2445 3293	$0833 \\ 1682 \\ 2530$	0918 1766 2615	85
5121 22 23 24 25	4396 5244 6091 6939	4481 5328 6176 7023	3717 4565 5413 6261 7108	4650 5498 6345 7193	4735 5583 6430 7278	4820 5667 6515 7362	4904 5752 6600 7447		5074 5922 6769 7617	6006 6854 7701	1 9 2 17 3 26 4 34 5 43 6 51
26 27 28 29 30	8633 9480 710 0327 1174	8718 9565 0412 1258	1343	8887 9734 0581 1428	8972 9819 0666 1512	9057 9904 0750	9141 9988 0835	8379 $9226$ $0073$ $0920$ $1766$	$\frac{9311}{0158}$ $1004$	$\begin{array}{c} \overline{0242} \\ 1089 \end{array}$	7 60 8 68 9 77
5131 32 33 34 35	2866 3713 4559	2951 3797 4643	2189 3036 3882 4728 5574	3120 3966 4812	3205 4051 4897	3290 4136 4982	3374 4220 5066	2613 3459 4305 5151 5996	3543 4389 5235	3628 4474 5320	
36 37 38 39 40	7096 7941 8786	7180 8026 8871	6419 7265 8110 8955 9800	7349 8195 9040	7434 8279	7518 8364 9209	7603 8448 9293	$6842 \\ 7687 \\ 8533 \\ \underline{9378} \\ \overline{0223}$	7772 8617 9462	7856 8702	
5141 42 43 44 45	2165 3010	$1405 \\ 2250 \\ 3094$	0645 1490 2334 3178 4023	1574 $2419$ $3263$	1659 2503	1743 2587 3432			2841	2081 2925 3769	-
46 47 48 49 5150	5542 6385 7229	5626 6470 7313	4867 5710 6554 7398 8241	5795 6638 7482	5879 6723 7566	5964 6807 7651	6048 6892 7735	5289 6132 6976 7819 8663	6217 7060 7904	6301 7145 7988	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
5150	711 8072				_	8494		8663			Din.
51			9084			9337		9506			
52			9927				$\overline{0264}$				
53	712 06 01 1444		0770 1613		$0939 \\ 1781$		1107		1276		
54 55		2371		2539	2624	1865 2708	$\frac{1950}{2792}$	$2034 \\ 2876$		3045	
56			3298		3466		3634				
57	0		4140				4477	4561	4645		
58		4898			5150		5319				
59 60	6497		5824 6665		5992 6834		$6160 \\ 7002$	6245 7086	6329 $7170$		
5161	7339			7591			7843	7928			
62		8264		8432	8517		8685	8769	8853		
63		9105	9189	9274	9358	9442	9526	9610	9694	9778	
64			0031			0283	0367		0535		
65	713 0703				1040	1124	1208	1292			
66 67			$1712 \\ 2553$		1880 2721		2048 2889	2132	$\frac{2217}{3057}$	2301 3141	
68			3393		3561		3729				
69		4149		4317	4401	4485	4569		4737		
70			5073		5241	5325	5409	5493	5577	5661	84
5171	5745		5913	5997	6081	6165	6249	6333	6417	6501	1 8
$\begin{bmatrix} 72 \\ 73 \end{bmatrix}$			6753 7593		$6921 \\ 7761$	7005	7089 7928	7173 8012	7257 8096	7341	2 17 3 25
74		8348			8600	8684		8852	8936		4 34
75			9271			9523	9607	9691	9775	9859	5 42 6 50
76			0110			0362			0614	• • • •	7 59
77 78	714 0782	1704		$1033 \\ 1872$	1117 1956		1285 2124	1369	$\frac{1453}{2291}$	1537	8 67 9 76
79	2459		2627	2711		2878		3046	3130		0 10
80	3298	3381	3465	3549	3633	3717	3801	3884	3968	4052	
5181	4136		4304		4471	4555	4639		4806	4890	
82			5142 5980			5393 6231	5477	5561 6399	5645	5728 6566	
84			6817			7069	7153	7236	7320	7404	
85	7488	7571	7655	7739	7823	7906	7990	8074	8158	8241	
86			8493				8828	8911	8995		
87	9162 $7150000$		9330				9665 0502		9832 0669	9916	
89	0837			1088	1171	1255		1423	1506		
90	1674			1925			2176		2343		
5191			2678				3012			_	
92	3347		3514			3765		3932	4016		
93   94		4267 5103	4350 5187	5270		4601 5438		4769 5605		4936 5772	
95			6023			6273		6441		6608	
96	6691	6775	6859	6942	7026	7109	7193	7276	7360	7444	
97			7694				8029				
98			8530 9365				8864 9699			9115	
5200	716 0033						0535				

No.		0	1	2	3	4	5	6	7	8	9	Diff.
5200 01 02 03 04 05	0 1 2 3	869 703 538 373	0952 1787 2622 3456	1036 1870 2705 3540	0284 1119 1954 2789 3623 4458	1203 2037 2872 3707	1286 2121 2956 3790	0535 1370 2204 3039 3874 4708	1453 2288 3123	1537 2371 3206 4040	1620 2455 3289 4124	
06 07 08 09 10	5 6 7 8	876 710 544 377	5959 6793 7627 8461	6043 6877 7710 8544		6209 7043 7877 8711	6293 7127 7960 8794	5542 6376 7210 8044 8877	6460 7293 8127 8961	6543 7377 8211 9044	6626 7460 8294 9127	
5211 12 13 14 15	717 0 0 1 2	044 877 710 543	0127 0961 1794 2626	0211 1044 1877 2710	9461 0294 1127 1960 2793	0377 1210 2043 2876	0461 1294 2127 2959	$\begin{array}{c} 2210 \\ 3043 \end{array}$	0627 1460 2293 3126	0711 1544 2377 3209	0794 1627 2460 3293	
16 17 18 19 20	5 5 6	208 041 873 705	4292 5124 5956 6788	4375 5207 6039 6871	3626 4458 5290 6123 6955	4541 5374 6206 7038	4625 5457 6289 7121	3875 4708 5540 6372 7204	4791 5623 6455 7287	4874 5707 6539 7371	5790 6622 7454	83
5221 22 23 24 25	718 0 0	369 200 032 0863	8452 9283 0115 0946	8535 9367 0198 1029	7786 8618 9450 0281 1112	8701 9533 0364 1195	8784 9616 0447 1279		8951 9782 0614 1445	9034 9865 0697 1528	9117 9949 0780 1611	1 8 2 17 3 25 4 33 5 42 6 50
26 27 28 29 30	2 3 4 5	356 186 1017	2608 3439 4269 5100	2691 3522 4353 5183	1943 2774 3605 4436 5266	2857 3688 4519 5349	2940 3771 4602 5432	5515	3107 3937 4768 5598	3190 4020 4851 5681	3273 4103 4934 5764	7 58 8 66 9 75
5231 32 33 34 35	7 8 9	6677 7507 8337 9167	6760 7590 8420 9250	6843 7673 8503 9333	6096 6926 7756 8586 9416	7009 7839 8669 9499	7092 7922 8752 9582	6345 7175 8005 8835 9665	7258 8088 8918 9748	7341 8171 9001 9830	8254 9084 9913	
36 37 38 39 40	7190	0826 1655 2484 3313	0909 1738 2567 3396	0992 1821 2650 3479	0245 1075 1904 2733 3562	1157 1987 2816 3644	1240 2069 2898 3727	0494 1323 2152 2981 3810	1406 2235 3064 3893	1489 2318 3147 3976	1572 2401 3230 4059	
5241 42 43 44 45	6	1970 5799 5627 7455	5053 5881 6710 7538	5136 5964 6792 7621	4390 5219 6047 6875 7703	5302 6130 6958 7786	5384 6213 7041 7869	4639 5467 6296 7124 7952	5550 6378 7207 8034	5633 6461 7289 8117	5716 6544 7372 8200	
46 47 48 49 5250	720	9111 9938 9766	$\begin{array}{c} 9193 \\ \hline 0021 \\ 0848 \end{array}$	$\frac{9276}{0104}$ 0931	$8531 \\ 9359 \\ \hline 0187 \\ 1014 \\ 1841$	$\begin{array}{c} \overline{0269} \\ 1097 \end{array}$	$\begin{array}{r} 9524 \\ \hline 0352 \\ 1179 \end{array}$	$8780 \\ 9607 \\ \hline 0435 \\ 1262 \\ 2089$	$\frac{9690}{0518}$ 1345	$\begin{array}{r} 9773 \\ \hline 0600 \\ 1428 \end{array}$	$\begin{array}{c} 9856 \\ \hline 0683 \\ 1510 \end{array}$	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
5250 51 52 53 54 55	720	2420 3247 4074 4901	1676 2503 3330 4157 4983 5810	2586 3413 4239 5066	3495 4322 5149	2751 3578 4405 5231	3661 4487	3743 4570 5397	2172 2999 3826 4653 5479 6306	3082 3909 4735 5562	3164 3991 4818 5645	
56 57 58 59 60		7380 8206 9032 9857		7545 8371 9197 0023	7628 8454 9279 0105	7710 8536 9362 0188	$\frac{8619}{9445} \\ \hline 0270$	$7875 \\ 8701 \\ \underline{9527} \\ 0353$	$7958 \\ 8784 \\ 9610 \\ \hline 0435$	$8867 \\ 9692 \\ \hline 0518$	$ 8123 \\ 8949 \\ 9775 \\ \hline 0600 $	
5261 62 63 64 65	721	1508 2334 3159 3984	0766 1591 2416 3241 4066	1674 2499 3324 4149	1756 2581 3406 4231	1839 2664 3489 4314	1921 2746 3571 4396	2004 2829 3654 4479	1261 2086 2911 3736 4561	2169 2994 3819 4644	2251 3076 3901 4726	
66 67 68 69 70		$6458 \\ 7282 \\ 8106$	5716 6540 7364 8189	6623 7447 8271	5881 6705 7529 8353	6787 7612 8436	6045 6870 7694 8518	6952 7777 8601	6210 7035 7859 8683	7117 7941 8765	6375 7200 8024 8848	82
5271 72 73 74 75 76	722	9754 $0578$ $1401$ $2225$	9013 9836 0660 1484 2307 3130	9919 0742 1566 2389	$   \begin{array}{r}     \hline{0001} \\     0825 \\     1648 \\     2472   \end{array} $	0084 0907 1731 2554	0166 0990 1813 2636	1072 1895 2719	9507 0331 1154 1978 2801 3624	0413 1237 2060 2883	0495 1319 2142 2966	1 8 2 16 3 25 4 33 5 41 6 49
77 78 79 80		3871 4694 5517 6339	3953 4776 5599 6421	4036 4858 5681 6504	4118 4941 5763 6586	4200 5023 5846 6668	4282 5105 5928 6750	4365 5188 6010 6833	4447 5270 6092 6915	4529 5352 6175 6997	4612 5434 6257 7079	7 57 8 66 9 74
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04		6117		6281			6526	6608			
05	6854		7018		7181		7345	7427	7509	7591	
06	7672	7754	7836	7918	8000	8082	8164	8245	8327	8409	
07	8491			8736				9064			
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10		1027		1191				1518		1681	
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14		4297		4461				4788			
15		5114		5278	5360		5523	5605		5768	
16	5850			6095				6422		6585	
17		6748						7238			
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19		8382						8871			
20	9116	9198	9280	9361	9443	9524	9606	9688	9769	9851	82
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27		4908						5398			7 5
28		5724						6213			8 6 9 7
29	6457			6702				7028		7191	
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36 37		2240 3053						2728 3542		2891	
38		3867						4355			
39		4681		4843				5169			
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43	7852			8096				8421			
44		8746					9152	$\frac{9233}{0046}$	$\frac{9315}{0107}$	$\frac{9396}{0000}$	
45		9558			9802		9965	0046		0208	
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77 78 79 80 5381	6208 7015 7823	6289 7096 7903	5562 6369 7177 7984 8791	6450 7258 8065	6531 7338 8146	6612 7419 8226	6692 7500 8307	5966 6773 7581 8388 9195	6046 6854 7661 8468	6935 7742 8549	8 65 9 73
82 83 84 85 86	731 0244 1051 1857	0324 1131 1938	9598 0405 1212 2018 2825	0486 1292 2099	0567 1373 2180	0647 $1454$ $2260$		2422	$\begin{array}{c} 0889 \\ 1696 \end{array}$	0970 1776 2583	
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67 68 69 70 5471	7491 8285 9079	7570 8364 9159 9953	$7650 \\ 8444 \\ \underline{9238} \\ 0032$	$7729 \\ 8523 \\ \underline{9317} \\ 0111$	7808 8603 9397 0191	$7888 \\ 8682 \\ \underline{9476} \\ 0270$	7967 8762 9556	8047 8841	8126 8920 9714	8206 9000 9794	79
72 73 74 75	1461 2254 3048 3841	1540 2334 3127 3921	1620 2413 3207 4000	1699 2493 3286 4079	$\frac{1778}{2572}$	1858	1937 2731 3524 4317	2016 2810 3603 4396	2096 2889 3683	2175 2969 3762 4555	1 8 2 16 3 24 4 32 5 40 6 47
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16 17 18 19 20	7817 8604 9391	7109 7896 8683 9469	7974 8761 9548	7266 8053 8840 9627	7345 8132 8919 9705	7423 8210 8997 9784	7502 8289 9076 9863		$7660 \\ 8447 \\ \underline{9233} \\ 0020$	7738 8525 9312 0099	79
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27 28 29 30 5531	4895 5680 6466 7251	4187 4973 5759 6544 7330	5052 5837 6623	5130 5916 6702 7487	5995	5288 6073 6859 7644	5366 6152 6937 7722	4659 5445 6230 7016 7801 8586	5523 6309 7094 7880	6387 7173 7958	7 55 8 63 9 71
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72 73 74 75	746 0111 0890 1670 2449	0189 0968 1748 2527	0267 1046 1825 2605	0345 1124 1903 2682	0423 1202 1981 2760	0501 1280 2059 2838	9799 0579 1358 2137 2916	0657 1436 2215 2994	0735 1514 2293 3072	0813 1592 2371 3150	1 8 2 16 3 23 4 31 5 39 6 47
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26 27 28 29 30	2769 3541 4312		4467		3078 3850 4621	3155 3927 4698	4004 4775	3309 4081	$\begin{array}{c} 4158 \\ 4930 \end{array}$	3464 4235	6 46 7 ·54 8 62 9 69
5631 32 33 34 35	6626 7398 8168	6704 7475 8246	6010 6781 7552 8323 9093	$6858 \\ 7629 \\ 8400$		7012 7783 8554 9325	7089 7860 8631 9402	7937 8708 9479	7243 8014 8785 9556	8862 9633	
36 37 38 39 40	751 0480 1251 2021 2791	0557 1328 2098 2868	1405 2175 2945	$0711 \\ 1482 \\ 2252 \\ 3022$	0789 1559 2329 3099	0866 1636 2406	0943 $1713$ $2483$	0249 1020 1790 2560 3330	1097 1867 2637		
5641 42 43 44 45	4331	4408 5177 5947	3715 4485 5254 6024 6793	$4562 \\ 5331 \\ 6101$	4639	4716 5485 6255	$\begin{array}{c} 5562 \\ 6332 \end{array}$	4100 4870 5639 6409 7178	$\begin{array}{c} 5716 \\ 6486 \end{array}$		
46 47 48 49 5650	8947	8255 9024 9793	7563 8332 9101 9870 0638	8409 9178 9946	$\frac{9254}{0023}$	$\begin{array}{c} 8562 \\ \underline{9331} \\ \overline{0100} \end{array}$		$7947 \\ 8716 \\ 9485 \\ \hline 0254 \\ 1023$		$\begin{array}{c} 8870 \\ \underline{9639} \\ 0408 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
5650 51 52 53 54 55	2022 2790 3558	0561 1330 2098 2867 3635 4403	1407 2175 2944 3712	1484 2252 3020 3788	1560 2329 3097 3865	2406 3174 3942	$\begin{array}{c} 1714 \\ 2483 \end{array}$		$1868 \\ 2636 \\ 3404$	2713 3481 4249	
56 57 58 59 60	5862 6629 7397 8164	5171 5939 6706 7474 8241	6015 6783 7550 8318	6092 6860 7627 8394	6169 6936 7704 8471	6246 7013 7781 8548	6322 7090 7857 8625	7934 8701	6476 7243 8011 8778	6553 7320 8088 8855	
5661 62 63 64 65	9699 753 0466 1232 1999	$\begin{array}{c} 1309 \\ 2076 \end{array}$	$\begin{array}{c} 9852 \\ 0619 \\ 1386 \\ 2152 \end{array}$	9929 0696 1462 2229	0772 1539 2306	0082 $0849$ $1616$ $2382$	$     \begin{array}{r}       0159 \\       0926 \\       1692 \\       2459     \end{array} $		0312 $1079$ $1846$ $2612$	0389 1156 1922 2689	
66 67 68 69 70	3532 4298 5065 5831	2842 3609 4375 5141 5907	3685 4452 5218 5984	3762 4528 5294 6060	3839 4605 5371 6137	3915 4682 5448 6214	3992 4758 5524 6290	3302 4069 4835 5601 6367	4145 4911 5677 6443	4222 4988 5754 6520	77
5671 72 73 74 75	7362 8128 8893 9659	6673 7439 8204 8970 9735	7515 8281 9046 9812	8357 9123 9888	7668 8434 9199 9965	$7745 \\ 8511 \\ \underline{9276} \\ 0041$	$\frac{9353}{0118}$	$7898 \\ 8664 \\ 9429 \\ \hline 0194$	$\frac{9506}{0271}$	$\begin{array}{c} 8817 \\ \underline{9582} \\ 0347 \end{array}$	1 8 2 15 3 23 4 31 5 39 6 46
76 77 78 79 80	1954 2719 3483	1265 2030 2795 3560	1342 2107 2872 3636	1418 2183 2948 3713	1495 2260 3025 3789	1571 2336 3101 3866	1648 2413 3178 3942	0959 1724 2489 3254 4019	1801 2566 3330 4095	1877 2642 3407 4171	7 54 8 62 9 69
5681 82 83 84 85	5012 5777 6541	4324 5089 5853 6617 7381	5165 5929 6694	5242 6006 6770	5318 6082 6846	5394 6159 6923 7687	6235 6999 7763	5547 6311 7076 7839	6388 7152 7916	5700 6464 7228 7992	
86 87 88 89 90	8832 9596 755 0359	8145 8909 9672 0436 1199	8985 9749 0512	$9061 \\ 9825$	9138 9901 0665	9214 9978 0741	$\frac{9290}{0054}$	8603 $9367$ $0130$ $0894$ $1657$	$\frac{9443}{0207}$	$\frac{9520}{0283}$ $1046$	
5691 92 93 94 95	2649 3412 4175	1962 2725 3488 4251 5014	2802 3564 4327	2878 3641 4403	2954 3717	3030 3793 4556	3107 3870	2420 3183 3946 4709 5471	$\frac{3259}{4022}$	3336 4098 4861	
96 97 98 99 5700	6462 7224 7987		6615 7377 8139	6691 7453 8215	6767 7529 8291	6843 7606 8368	6920 7682 8444	6233 6996 7758 8520 9282	7072 7834 8596	7148 7910 8672	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
5700 01 02 03 04 05	756 0272 1034 1795	9587	9663 0424 1186 1947	$\begin{array}{c} 0501 \\ 1262 \end{array}$	9815 0577 1338	$0653 \\ 1414 \\ 2176$	9967 0729 1491 2252	$\begin{array}{c} 9282 \\ \hline 0044 \\ 0805 \\ 1567 \\ 2328 \\ 3089 \end{array}$	$\begin{array}{c} 0881 \\ 1643 \\ 2404 \end{array}$	0958 1719 2480	
06 07 08 09 10 5711	4079 4840 5600 6361	3394 4155 4916 5677 6437 7198	4231 4992 5753 6513	4307 5068 5829 6589	4383 5144	4459 5220 5981 6741	4535 5296 6057 6817	6133	4687 5448 6209 6970	4764 5524 6285 7046	
12 13 14 15	7882 8642 9402 757 0162	7958 8718 9478 0238	8034 8794 9554 0314	8110 8870 9630 0390	8186 8946 9706 0466	8262 9022 9782 0542	8338 9098 9858 0618	8414 9174 9934 0694	$\begin{array}{c} 8490 \\ \underline{9250} \\ 0010 \\ 0770 \end{array}$	$\begin{array}{c} 8566 \\ \underline{9326} \\ 0086 \\ 0846 \end{array}$	
16 17 18 19 20	1682 2442 3201	0998 1758 2517 3277 4036	1834 2593 3353	$\begin{array}{c} 1910 \\ 2669 \end{array}$	1986 2745 3505	$2062 \\ 2821$	2138 2897 3657		2290 3049 3808	2366 3125 3884	76
5721 22 23 24 25	5479 6237 6996	4795 5554 6313 7072 7831	5630 6389 7148	$\begin{array}{c} 5706 \\ 6465 \end{array}$	5782	5858 6617 7376	5934	5251 6010 6769 7527 8286	$6086 \\ 6845 \\ 7603$	6162 6920	1 8 2 15 3 23 4 30 5 38
26 27 28 29 30	9272 758 0030 0788	8589 9348 0106 0864 1622	$9423 \\ 0182 \\ 0940$	9499 0258 1016	9575 0333 1091	9651 0409 1167	9727 $0485$ $1243$	9044 9803 0561 1319 2077	$9878 \\ 0637 \\ 1395$	9954 $0712$ $1470$	6 46 7 53 8 61 9 68
5731 32 33 34 35	4577	3138 3895	4728	3289 4047 4804	3365 4122 4880	3441 4198 4956	3516 4274 5031	2835 3592 4350 5107 5864	3668 4425 5183	3744 4501 5258	
36 37 38 39 40	7605 8362 9119	6924 7681 8438 9195	7757 8514 9270	7076 7832 8589 9346	7908 8665 9422	7227 7984 8741 9497	7303 8060 8816 9573	6621 7378 8135 8892 9649	7454 8211 8968 9724	8287 9043 9800	
5741 42 43 44 45	759 0632 1388 2144	9951 0708 1464 2220 2976	$0783 \\ 1539 \\ 2296$	$0859 \\ 1615 \\ 2371$	0934	1010 1766 2522	1086 1842 2598	0405 1161 1917 2674 3429	1237 1993 2749	1313 2069 2825	
46 47 48 49 5750	4412 5168 5923	3732 4488 5243 5999 6754	4563 5319 6074	4639 5394 6150	$\begin{array}{c} 5470 \\ 6225 \end{array}$	4790 5545 6301	$4865 \\ 5621 \\ 6376$	4185 4941 5696 6452 7207	5016 5772 6527	5848 6603	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
5750 51 52 53 54 55	8189 8944	7509 8264 9019 9774	7585 8340 9095 9850	7660 8415 9170 9925	$7736 \\ 8491 \\ \underline{9246} \\ 0000$	7811 8566 9321	$7887 \\ 8642 \\ \underline{9397} \\ 0151$	$7207 \\ 7962 \\ 8717 \\ \underline{9472} \\ 0227 \\ 0981$	$\begin{array}{c} 8038 \\ 8793 \\ \underline{9548} \\ 0302 \end{array}$	8113 8868	
56 57 58 59 60	1962 2717 3471 4225	2038 2792 3546 4300	2867 3622 4376	2189 2943 3697 4451	2264 3018 3772 4526	2339 3094 3848 4602	2415 3169 3923 4677	1736 2490 3245 3999 4753	2566 3320 4074 4828	2641 3395 4149 4903	
5761 62 63 64 65	5733 6486 7240 7993	5808 6562 7315 8068	5130 5883 6637 7390 8144	5959 6712 7466 8219	6034 6788 7541 8294	6109 6863 7616 8370	6185 6938 7692 8445	5506 6260 7014 7767 8520	6335 7089 7842 8596	6411 7164 7918 8671	
66 67 68 69 70 5771	761 0253 1005 1758	9575 0328 1081 1833	8897 9650 0403 1156 1909 2661	9725 0478 1231 1984	0554 1307 2059	$\begin{array}{c} 0629 \\ 1382 \end{array}$	9951 0704 1457 2210	2285	$\begin{array}{c} \overline{0102} \\ 0855 \\ 1608 \end{array}$	0177 0930 1683 2435	75
72 73 74 75 76	3263 4016 4768 5520	3338 4091 4843 5595	3414 4166 4918 5670,	3489 4241 4993 5745	4316 5069 5821	3639 4392 5144 5896	3715 4467 5219 5971	3790 4542 5294	3865 4617 5369 6121	3940 4693 5445 6197	1 8 2 15 3 23 4 30 5 38 6 45
77 78 79 80	7024 7775 8527 9278	7099 7851 8602 9354	7174 7926 8677 9429	7249 8001 8752 9504	7324 8076 8828 9579	7400 8151 8903 9654	7475 8226 8978 9729	7550 8301 9053 9804	7625 8377 9128 9879	7700 8452 9203 9955	7 53 8 60 9 68
5781 82 83 84 85	1532 2283 3034	0856 1607 2358 3109	0931 1682 2433 3184	1006 1757 2508 3259	1081 1832 2583 3334	1156 1907 2658 3409	1232 1982 2733 3484	0556 1307 2058 2808 3559	1382 2133 2883 3634	1457 2208 2959 3709	
86 87 88 89 90	4535 5285 6035 6786	4610 5360 6111 6861	6936	4760 5510 6261 7011	4835 5585 6336 7086	4910 5660 6411 7161	4985 5735 6486 7236	4310 5060 5810 6561 7311	5135 5885 6636 7386	5960 6711 7461	
5791 92 93 94 95	8286 9035 9785 763 0534	8361 9110 9860 0609		$\begin{array}{c} 8510 \\ \underline{9260} \\ 0010 \\ 0759 \end{array}$	$\frac{9335}{0085} \\ 0834$	$\begin{array}{c} 8660 \\ \underline{9410} \\ 0160 \\ 0909 \end{array}$	$8735 \\ \underline{9485} \\ 0235 \\ 0984$	$\begin{array}{c} \overline{0310} \\ 1059 \end{array}$	$8885$ $9635$ $\overline{0385}$ $1134$	$8960 \\ 9710 \\ \hline 0459 \\ 1209$	
96 97 98 99 5800	2033 2782 3531	2108 2857 3606	1434 2183 2932 3681 4430	2258 3007 3756	2333 3082 3831	2408 3157 3906	3232 3980	1808 2557 3306 4055 4804	2632 3381 4130	3456 4205	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
5800 01 02 03 04	5777 6526	4355 5104 5852 6601 7349	5178 5927 6675	5253 6002 6750	5328 6077 6825	6151 6900		4804 5553 6301 7050 7798	5628 6376 7124	6451 7199	
05 06 07 08 09	8022 8770 9518 764 0266	8097 8845 9593	8172 8920 9668 0416	8247 8995 9743 0490	8321 9070 9817 0565	8396 9144 9892 0640	8471 9219 9967	$\begin{array}{c} 8546 \\ \underline{9294} \\ 0042 \\ 0789 \end{array}$	$8621 \\ \underline{9369} \\ \overline{0117}$	$\begin{array}{c} 8696 \\ \underline{9443} \\ \overline{0191} \\ 0939 \end{array}$	
5811 12 13 14	1761 2509 3256 4003	1836 2583 3331 4078 4825	1911 2658 3406 4153	1986 2733 3480 4227	2060 2808 3555 4302	2135 2882 3630 4377	2210 2957 3704 4451	2285 3032 3779	2359 3107 3854 4601	2434 3181 3929 4676	
15 16 17 18 19	5497 6244 6991 7737	5572	5647 6393 7140 7886	5721 6468 7215 7961	5796 6543 7289 8036	5871 6617 7364 8110	5945 6692 7439 8185	6020 6767 7513 8260 9006	6095 6841 7588 8334	6169 6916 7663 8409	
20 5821 22 23 24	$9230 \\ 9976 \\ 7650722 \\ 1468$	$9304$ $\overline{0051}$ $0797$	$\begin{array}{c} 9379 \\ \hline 0125 \\ 0871 \\ 1617 \end{array}$	$\begin{array}{c} 9454 \\ \hline 0200 \\ 0946 \\ 1692 \end{array}$	$   \begin{array}{r}     9528 \\     \hline     0274 \\     1020 \\     1766   \end{array} $	$   \begin{array}{r}     9603 \\     \hline     0349 \\     1095 \\     1841   \end{array} $	$9678 \\ \hline 0424 \\ 1170$	$9752$ $\overline{0498}$ $1244$ $1990$	$9827$ $\overline{0573}$ $1319$	$9901$ $\overline{0647}$ $1393$ $2139$	74 1 7 2 15 3 22 4 30
25 26 27 28 29	3705 4450 5195 5941	3034 3779 4525 5270 6015	3854 4599 5344 6090	3928 4674 5419 6164	4003 4748 5493 6239	4078 4823 5568 6313	$\begin{array}{c} 5643 \\ 6388 \end{array}$	3481 4227 4972 5717 6462	3556 4301 5046 5792 6537	3630 4376 5121 5866 6611	5 37 6 44 7 52 8 59 9 67
30 5831 32 33 34	7430 8175 8920 9664	6760 7505 8250 8994 9739	7579 8324 9069 9813	7654 8399 9143 9888	7728 8473 9218 9962	$7803 \\ 8547 \\ 9292 \\ \hline 0036$	$7877 \\ 8622 \\ \underline{9366} \\ 0111$	$\begin{array}{c} 8696 \\ \underline{9441} \\ \overline{0185} \end{array}$	$8026 \\ 8771 \\ \underline{9515} \\ 0260$	$\begin{array}{c} 8101 \\ 8845 \\ \underline{9590} \\ 0334 \end{array}$	
35 36 37 38 39	1897 2641 3385	1227 1971 2715 3459	1302 2046 2790 3534	1376 2120 2864 3608	1450 2195 2938 3682	1525 2269 3013 3757	2343 3087 3831	1674 2418 3162 3905	3236 3980	1823 2567 3310 4054	
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45 46 47 48 49	9331 767 0074 0816	8662 9405 0148 0890	$9479 \\ 0222 \\ 0965$	8811 9554 0296 1039	8885 9628 0371 1113	0445 1187	9034 9777 0519 1262	9851 0593 1336	9182 9925 0668 1410	9257 9999 0742 1484	
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No.	0	1	2	3	4	5	6	7	8	9	Diff.
5850 51 52			2449	1781 2524 3266	2598	2672	2746	2078 2821 3563	2895	2969	
53 54 55	3785 4527	3859	3934 4676	4008	4082	4156	$\begin{array}{c} 4230 \\ 4972 \end{array}$	$\begin{array}{c} 4305 \\ 5046 \end{array}$	4379 5121	4453	
56 57 58	6011 6752		6159 6901		6307 7049 7790	7123	7197	6530 7271 8013	7345		
59 60	8235 8976	8309 9050	8383 9124	8457 9198	8531 9273	8606 9347	8680 9421	8754 9495	8828 9569	8902 9643	
5861 62 63 64 65	768 0458 1199 1940	$\frac{1273}{2014}$	$0606 \\ 1347$	9940 0680 1421 2162 2902		0829 1569 2310	$0903 \\ 1643 \\ 2384$	0236 0977 1717 2458 3198	$1051 \\ 1791 \\ 2532$	1125 1866 2606	
66 67 68 69 70	4161 4901 5641	4235 4975 5715	3569 4309 5049 5789 6529	4383 5123 5863	3717 4457 5197 5937 6677	4531 5271 6011	4605 5345 6085	3939 4679 5419 6159 6899	4753 $5493$ $6233$	5567	74
5871 72 73 74 75	7860 8600	7934 8674 9413	8748 9487	7343 8082 8822 9561 0300	7417 8156 8896 9635 0374	8230 8970 9709	8304 9044 9783	7639 8378 9118 9857 0596	8452 9192 9931	$\frac{9265}{0005}$	1 7 2 15 3 22 4 30 5 37
76 77 78 79 80	1557 2296 3035	0892 1631 2370 3108 3847	1705 2444 3182	1040 1779 2517 3256 3995	2591	1926 2665 3404	$\begin{array}{c} 2000 \\ 2739 \end{array}$	1335 2074 2813 3552 4290	2148 2887	2222 2961 3699	6 44 7 52 8 59 9 67
5881 82 83 84 85					4807 5546 6284 7022 7760	5619 6358 7096		7243		7391	
86 87 88 89 90	8940 9678 <b>7</b> 70 0416	9752	9088 9826 0563		8498 9235 9973 0711 1448	0784	0858	$8719 \\ \underline{9457} \\ 0194 \\ 0932 \\ 1669$	$\begin{array}{c} \overline{0268} \\ 1005 \end{array}$	$\begin{array}{c} 9604 \\ \hline 0342 \\ 1079 \end{array}$	
5891 92 93 94 95	3364 4101	$\begin{array}{c} 2701 \\ 3438 \end{array}$	2775 $3512$ $4249$	2111 2849 3585 4322 5059	2185 2922 3659 4396 5133	2996 3733 4470	3070 3807 4543	2406 3143 3880 4617 5354	3217 3954 4691	3291 4028 4764	
96 97 98	5575 6311 7048	5648 6385 7121	5722 6459 7195	5796 6532 7269	5869 6606 7342	5943 6679 7416	6017 6753 7489	6090 6827 7563	6164 6900 7637	6238 6974 7710	
99 5900	7784 8520		7931 8667		8078 8815	8152 8888		8299 9035			- 11

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
5900 01 02 03 04 05	9992 771 0728	$\begin{array}{r} 8594 \\ \underline{9330} \\ 0066 \\ 0801 \\ 1537 \end{array}$	$\begin{array}{c} 9403 \\ \hline 0139 \\ 0875 \end{array}$	$\begin{array}{c} 9477 \\ \hline 0213 \\ 0949 \\ 1684 \end{array}$	0286 $1022$ $1758$	1096 1831	0434 $1169$ $1905$	$\overline{0507}$	2052	1390 2125	
06 07 08 09 10	2934 3670 4405 5140 5875	3008 3743 4478 5213 5948	3081 3817 4552 5287 6022	3155 3890 4625 5360 6095	3229 3964 4699 5434 6169	3302 4037 4772 5507 6242	3376 4111 4846 5581 6316	3449 4184 4919 5654 6389	3523 4258 4993 5728 6463	3596 4331 5066 5801 6536	
5911 12 13 14 15 16	7344 8079		7491 8226 8960 9694	7565 8299 9034 9768	7638 8373 9107 9841	7712 8446 9180 9915	8519 9254 9988	7124 $7858$ $8593$ $9327$ $0061$ $0795$	$7932 \\ 8666 \\ 9401 \\ \hline 0135$		
17 18 19 20 5921	1016 1750 2483 3217	1089 1823 2557 3290 4024	1162 1896 2630 3364	1236 1970 2704 3437	1309 2043 2777 3510	1383 2117 2850 3584	1456 2190	1529 2263 2997 3731	$\frac{1603}{2337}$	1676 2410 3144	73
22 23 24 25 26	4684 5417 6150 6884	4757 5491	4831 5564 6297 7030	4904 5637 6370 7103	4977 5711 6444 7177	5051 5784 6517 7250	5124 5857 6590 7323	5197 5931	5271 6004 6737 7470	5344 6077 6810	1 7 2 15 3 22 4 29 5 37 6 44 7 51
27 28 29 30 5931	9082 9815 773 0547	8423 9155 9888 0620 1352	9228 9961 0693	$\frac{9302}{0034} \\ 0767$	$\frac{9375}{0107}$	$\frac{9448}{0181}$	$\frac{9521}{0254} \\ 0986$	$8862 \\ \underline{9595} \\ 0327 \\ 1060 \\ 1792$	$\frac{9668}{0400}$ 1133	$\frac{9741}{0474}$	7 51 8 58 9 66
32 33 34 35 36	2011 2743 3475 4207	2085 2817 3549	2158 2890 3622 4354	2231 2963 3695 4427	2304 3036 3768 4500	2377 3109 3841 4573	2451 3183 3915 4646	$2524 \\ 3256$	2597 3329 4061 4793	2670 3402 4134 4866	
37 38 39 40 5941	5670 6402 7133 7864	5744 6475 7206 7938 8669	5817 6548 7280 8011	5890 6621 7353 8084	5963 6694 7426 8157	6036 6768 7499 8230	6109 6841 7572 8303	6183 6914 7645 8376 9107	6256 6987 7718 8449	6329 7060 7791 8522	
42 43 44 45 46	9326 774 0057 0788	9400 0130 0861 1592	9473 0203 0934	9546 0277 1007 1738	9619 0350 1080 1811	9692 0423 1153 1884	9765 0496 1226 1957	9838 0569	9911 0642 1372 2103	9984 0715 1446 2176	
47 48 49 5950	2979 3710 4440	3052 3783 4513 5243	3125 3856 4586	3198 3929 4659	3271 4002 4732	3345 4075 4805	3418 4148 4878	3491 4221 4951 5681	3564 4294 5024	3637 4367 5097	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
5950 51 52 53 54 55	6629 7359 8088	5243 5972 6702 7432 8161 8891	6045 6775 7505 8234	6118 6848 7578 8307	6191 6921 7651 8380	6994 7724 8453	6337 7067 7797 8526	5681 6410 7140 7869 8599 9328	6483 7213 7942 8672	6556 7286 8015 8745	
56 57 58 59 60	775 0276 1005 1734 2463	1078 1807 2535	0422 1151 1880 2608	0495 1224 1952 2681	0568 1297 2025 2754	0641 1369 2098 2827	0713 1442 2171 2900	0057 $0786$ $1515$ $2244$ $2973$	0859 1588 2317 3046	0932 1661 2390 3118	
5961 62 63 64 65	3920 4648 5376 6104	5449 6177	4065 4794 5522 6250	4138 4867 5595 6323	4211 4939 5668 6396	4284 5012 5740 6469	4357 5085 5813 6541	3701 4430 5158 5886 6614	4502 5231 5959 6687	4575 5304 6032 6760	
66 67 68 69 70 5971	7560 8288 9016	6905 7633 8361 9089 9816	7706 8434 9161 9889	7779 8506 9234 9962	$\begin{array}{c} 8579 \\ \underline{9307} \\ 0034 \end{array}$	$7924 \\ 8652 \\ \underline{9380} \\ \overline{0107}$	$8725 \\ \underline{9452} \\ \overline{0180}$	8070 8798	$8870 \\ \underline{9598} \\ 0325$	$\begin{array}{c} 8215 \\ 8943 \\ \underline{9671} \\ 0398 \end{array}$	73
72 73 74 75 76	1198 1925 2652 3379	1271 1998 2725 3452 4179	1343 2071 2798 3524	1416 2143 2870 3597	1489 2216 2943 3670	1562 2289 3016 3743	1634 2361 3088 3815	1707 2434 3161 3888 4615	1780 2507 3234 3961	1852 2579 3306 4033	1 7 2 15 3 22 4 29 5 37 6 44
77 78 79 80 5981	4833 5559 6286 7012	4905 5632 6358 7084 7811	4978 5704 6431 7157	5051 5777 6503 7230	5123 5850 6576 7302	5196 5922 6649 7375	5269 5995 6721 7448	5341 6068 6794 7520 8246	5414 6140 6867 7593	5486 6213 6939 7665	7 51 8 58 9 66
82 83 84 85 86	8464 9190 9916 777 0642	8537 9263 9988	$8609 \\ 9335 \\ \hline 0061 \\ 0787$	$\begin{array}{c} 8682 \\ \underline{9408} \\ 0134 \\ 0859 \end{array}$	$   \begin{array}{r}     8754 \\     9480 \\     \hline     0206 \\     0932   \end{array} $	8827 $9553$ $0279$ $1004$	$8900 \\ 9626 \\ \hline 0351 \\ 1077$	8972 $9698$ $0424$	$9045 \\ 9771 \\ \hline 0496 \\ 1222$	$9117 \\ 9843 \\ \hline 0569 \\ 1295$	
87 88 89 90 5991	2093 2818 3543 4268	$\begin{array}{c} 2165 \\ 2890 \end{array}$	2238 2963 3688 4413	2310 3035 3761 4486	2383 3108 3833, 4558	2455 3181 3906 4631	2528 3253 3978 4703	2600 3326 4051 4776 5501	2673 3398 4123 4848	2745 3471 4196 4921	
92 93 94 95 96	5718 6443 7167 7892		5863 6588 7312 8037	5935 6660 7385 8109	6008 6733 7457 8182	6080 6805 7530 8254	6153 6878 7602 8327	6225	6298 7022 7747 8471	6370 7095 7819 8544	
96 97 98 99 6000	9340 778 0065 0789	9413 0137 0861	$9485 \\ 0209 \\ 0933$	$9558 \\ 0282 \\ 1006$	9630	9703 0427 1151	9775 $0499$ $1223$	9847 0571 1295 2019	$9920 \\ 0644 \\ 1368$	9992 0716 1440	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6000 01 02 03 04 05	3683 4407	2309 3032	$\frac{3828}{4552}$	2453 3177 3900 4624	3249 3973	2598 3322 4045 4768		2743 3466 4190 4913	2815 $3539$ $4262$	3611 4335 5058	
06 07 08 09 10	6576 7299 8022 8745	5926 6649 7372 8094 8817	6721 7444 8167 8889	6793 7516 8239 8962	6866 7588 8311 9034	6938 7661 8383 9106	7010 7733 8456 9178	8528 9251	7155 7877 8600 9323	8672 9395	
6011 12 13 14 15	779 0190 0912 1634 2356	0984 1706 2429	0334 1056 1779 2501	0406 1129 1851 2573	0479 1201 1923 2645	0551 1273 1995 2717	$0623 \\ 1345 \\ 2067 \\ 2790$	0695 1418 2140 2862	0045 0768 1490 2212 2934	0840 1562 2284 3006	
16 17 18 19 20 6021	3800 4522 5243 5965	3150 3872 4594 5316 6037 6758	3944 4666 5388 6109	4738 5460 6181	4089 4810 5532 6253	4161 4883 5604	4955 5676 6398	4305 5027 5748	5099	4450 5171 5893	72
22 23 24 25 26	7408 8129 8850	7480 8201 8922 9643	7552 8273 8994 9715	7624 8345 9066 9787	7696 8417 9138 9859	7768 8489 9210 9931	$7840 \\ 8561 \\ 9282 \\ \hline 0003$	$7912 \\ 8633 \\ \underline{9354} \\ 0075$	7984 8705 9426 0147 0868	$   \begin{array}{r}     8057 \\     8778 \\     \underline{9498} \\     \hline     0219   \end{array} $	1 7 2 14 3 22 4 29 5 36 6 43
27 28 29 30 6031	1012 1732 2453 3173	1084 1804 2525 3245	1156 1877 2597	1228 1949 2669 3389		1372 2093 2813 3533	1444 2165 2885	1516	1588 2309 3029 3749	1660	7 50 8 58 9 65
32 33 34 35 36	4613 5333 6053 6773	4685 5405 6125	4757 5477 6197 6917	4829 5549 6269 6989	4901 5621 6341 7061	4973 5693 6413 7133	5045 5765 6485 7204	5117 5837 6557 7276	5189 5909 6629	5261 5981 6701 7420	
37 38 39 40 6041	8212 8931 9650 781 0369	8284 9003 9722	8356 9075 9794 0513	8428 9147 9866 0585	8500 9219 9938 0657	$\begin{array}{c} 8571 \\ \underline{9291} \\ \overline{0010} \\ 0729 \end{array}$	$\begin{array}{c} 8643 \\ \underline{9363} \\ \overline{0082} \\ 0801 \end{array}$	$\begin{array}{c} 8715 \\ \underline{9435} \\ 0154 \\ 0873 \end{array}$	8787 9506 0226 0945 1663	$\begin{array}{c} 8859 \\ 9578 \\ \hline 0297 \\ 1016 \end{array}$	
42 43 44 45 46	1807 2526 3245 3963	1879 2598 3316 4035 4753	1951 2670 3388 4107	2023 2742 3460 4179	2095 2813 3532 4250	2167 2885 3604 4322	2238 2957 3676 4394	2310 3029 3748	2382 3101 3819 4538	2454 3173 3891	=
47 48 49 6050	5400 6118 6836	5472 6190 6908 7626	5543 6261 6979	5615 6333 7051	5687 6405 7123	5759 6477 7195	5831 6549 7267	5902 6620 7338	5256 5974 6692 7410 8128	6046 6764 7482	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6050 51 52 53 54 55		8343 9061 9778 0496	9133 9850	8487 9204 9922	7841 8559 9276 9994 0711 1428	$\begin{array}{r} 9348 \\ \hline 0065 \\ 0783 \end{array}$	$\frac{9420}{0137}$ $0855$	$\begin{array}{r} 8774 \\ \underline{9491} \\ \overline{0209} \end{array}$	$\begin{array}{r} 9563 \\ \hline 0281 \\ 0998 \end{array}$	$8917 \\ 9635 \\ \hline 0352 \\ 1070$	
56 57 58 59 60 6061	3293 4010 4726	3364 4081 4798	2002 2719 3436 4153 4870 5586	2791 3508 4225 4941	3579 4296 5013	3651 4368 5085	3006 3723 4440 5156	2361 3078 3794 4511 5228 5944	3149 3866 4583 5300	3938 4655 5371	
62 63 64 65	6159 6876 7592 8308	6231 6947 7664 8380	6303 7019 7735 8451	6374 7091 7807 8523	6446 7162 7878 8594	7234 7950 8666	7305 8022 8738	7377 8093 8809	7449 8165 8881	8952	
66 67 68 69 70	9740 783 0456 1171	9812 0527 1243	9167 9883 0599 1314 2030	9955 0670 1386	0742 1458	$0098 \\ 0814 \\ 1529$	$\begin{array}{c} \overline{0169} \\ 0885 \\ 1601 \end{array}$	$\begin{array}{r} 9525 \\ \hline 0241 \\ 0957 \\ 1672 \\ 2388 \end{array}$	$\overline{0313}$ $1028$ $1744$	$\overline{0384}$ 1100 1815	72
6071 72 73 74 75	4033 4748	3389 4104 4819	2745 3461 4176 4891 5606	3532 4247 4962	3604	3675 4390 5105	3747 4462 5177	3103 3818 4533 5248 5963	3890 4605 5320	3961 4676 5391	1 7 2 14 3 22 4 29 5 36
76 77 78 79 80	6892 7607 8321	7678 8393	6321 7035 7750 8464 9179	$\begin{array}{c} 7821 \\ 8536 \end{array}$	8607	7250 7964 8679	7321 8036 8750	6678 7393 8107 8821 9536	7464 8179 8893	8250 8964	6 43 7 50 8 58 9 65
82 83 84 85	784 0464 1178 1892	$\begin{array}{c} 0536 \\ 1250 \end{array}$	$\begin{array}{c} 1321 \\ 2035 \end{array}$	0678 1392 2106	$\begin{array}{c} 0750 \\ 1464 \end{array}$	0821 1535 2249	0893 1607	0250 0964 1678 2392 3105	1035 1749	1107 1821	
86 87 88 89 90	4033 4746 5460	4104 4818 5531	4176 4889	4247 4960 5674	5032 5745	4390 5103 5816	4461 5174 5888	3819 4532 5246 5959 6672	4604 5317 6030	4675 5388 6102	
6091 92 93 94 95	7599	9096	8454	7813 8526 9238			$7314 \\ 8027 \\ 8739 \\ \underline{9452} \\ 0165$	8098	$7456 \\ 8169 \\ 8882 \\ \underline{9595} \\ \overline{0307}$	8241	
96 97 98 99 6100	1874 2586	$1233 \\ 1945 \\ 2658$	1304	1376 2088 2800	1447 2159 2871	2942	1589 2301 3014	2373	1732 $2444$ $3156$	$2515 \\ 3227$	

[:	No.	0	1	2	3	4	5	6	7	8	9	Diff.	1
6	01 02 03 04 05	4722 5434 6145	3370 4081 4793 5505 6216 6928	4153 4864 5576 6288	4224 4936 5647 6359	4295 5007 5718 6430	4366 5078 5789 6501	4437 5149 5861 6572	3797 4509 5220 5932 6643 7355	4580 5291 6003 6714	4651 5363 6074 6786		
	06 07 08 09 10	8279 8990 9701 786 0412	7639 8350 9061 9772 0483	8421 9132 9843 0554	8493 9204 9915 0625	8564 9275 9986 0696	$\begin{array}{r} 8635 \\ \underline{9346} \\ 0057 \\ 0767 \end{array}$	$8706 \\ \underline{9417} \\ 0128 \\ 0839$	8066 8777 9488 0199 0910 1620	$\begin{array}{c} 8848 \\ \underline{9559} \\ 0270 \\ 0981 \end{array}$	$8919 \\ 9630 \\ \hline 0341 \\ 1052$		
	12 13 14 15	1833 2544 3254 3965	1905 2615 3325 4036 4746	1976 2686 3396 4107	2047 2757 3467 4178	2118 2828 3538 4249	2189 2899 3609 4320	2260 2970 3681 4391	2331 3041 3752 4462 5172	2402 3112 3823 4533	2473 3183 3894 4604		
	17 18 19 20	5385 6095 6805 7514	5456 6166 6876 7585 8295	5527 6237 6946 7656	5598 6308 7017 7727	5669 6379 7088 7798	5740 6450 7159 7869	5811 6521 7230 7940	5882 6592 7301 8011 8720	5953 6663 7372 8082	6024 6734 7443 8153	71	
	22 23 24 25 26	8933 9643 787 0352 1061	9004 9714 0423 1132	9075 9784 0494 1203	9146 9855 0565 1274	9217 9926 0635	9288 9997 0706 1415	$\frac{9359}{0068}$	$\begin{array}{c} 9430 \\ \hline 0139 \\ 0848 \\ 1557 \end{array}$	$\frac{9501}{0210}$	$\begin{array}{c} 9572 \\ \hline 0281 \\ 0990 \\ 1699 \end{array}$	1 7 2 14 3 21 4 28 5 36 6 43	
	27 28 29 30	2479 3188 3896 4605	2550 3258 3967 4676 5384	2621 3329 4038 4746	2691 3400 4109 4817	2762 3471 4180 4888	2833 3542 4250 4959	2904 3613 4321 5030	2975 3684 4392 5101 5809	3046 3754 4463 5171	3117 3825 4534 5242	7 50 8 57 9 64	1
	32 33 34 35 36	6021 6730 7438 8146	6092 6800 7509 8216 8924	6163 6871 7579 8287	6234 6942 7650 8358	6305 7013 7721 8429	6376 7084 7792 8500	6446 7155 7863 8570	6517 7225 7933 8641 9349	6588 7296 8004	6659 7367 8075 8783		
	37 38 39 40	9561 788 0269 0976 1684	9632	9703 0410 1118 1825	9774 0481 1189 1896	9844 0552 1259 1967	9915 0623 1330 2037	9986 0693 1401 2108	$\begin{array}{c} \overline{0057} \\ 0764 \end{array}$	$0\overline{127}$ $0835$ $1542$ $2250$	$     \begin{array}{r}       \hline       0198 \\       0906 \\       1613 \\       2320     \end{array} $		-
	6141 42 43 44 45	3098 3805 4512 5219	3169 3876 4583 5290	3240 3947 4653 5360	3310 4017 4724 5431	3381 4088 4795 5502	3452 4159 4865 5572	3522 4229 4936 5643	3593 4300 5007 5714	3664 4371 5078 5784	3734 4441 5148 5855		
	46 47 48 49 6150	6632 7339 8045	5996 6703 7409 8116 8822	6773 7480 8186	6844 7551 8257	6915 7621 8327	6985 7692 8398	7056 7762 8469	6420 7127 7833 8539 9245	7197 7904 8610	7268 7974 8681		

No.	0	1	2	3	4	5	6	7	8	9	Diff.	1
6150	788 8751							9245		9387		l
51 52	789 0163		9598					9951 0657				ı
53			1010		1151			1363				ı
54		1645		1787	1857			2069				-
55 56			2422 3127		2563			2774 3480				1
57			3833					4185				I
58			4538					4890				-
59 60			5243 5948					5596 6301				1
6161	6512		6653					7005		7146		Ì
62		7287			7499			7710				I
63 64			8063 8767					8415 9119				ı
65		9401		9542	9613			9824				١
66	790 0035							0528				I
67			0880. 1584					1232 1936				1
69			2288					2640				ı
70	2852	2922	2992	3063	3133	3204	3274	3344	3415	3485	71	ı
6171			3696					4048			1 7	
72 73			4400 5103					4752 5455			2 14 3 21	
74	5666	5737	5807	5877	5948	6018	6088	6159	6229	6299	4 28	۱
75			6510		6651		6792	6862		7003	5 36	
76			7214 7917		7354 8057		7495 8198	7565 8268		7706	7 50 8 57	
78	8479	8549	8620	8690	8760	8831	8901	8971	9041	9112	9 64	
79 80			$\frac{9323}{0025}$		$\frac{9463}{0166}$		$\frac{9604}{0206}$	$\frac{9674}{0377}$	$\frac{9744}{0447}$	$\frac{9814}{0517}$		١
6181	791 0587							1079		1220		ı
82			1431						1852			Į
83 84			2133					2484				1
85		3467	2835 3537	3608			3818	3186 3889		3327 4029		1
86	4099	4169	4240	4310	4380	4450	4520	4591	4661	4731		
87 88			4942 5643					5292 5994				1
89			6345				6626	6696				ı
90	6906	6977	7047	7117	7187	7257	7327	7398	7468	7538		I
6191			7748					8099				-
92			8450 9151					8800 9502	9572	9642		-
94	9712	9782	9852	9922	9992	$\overline{0}\overline{0}\overline{6}\overline{3}$	$\overline{0}\overline{1}\overline{3}\overline{3}$	$\overline{0}\overline{2}\overline{0}\overline{3}$	$\overline{0273}$	$\overline{0343}$		1
95	792 0413							0904				-
96		$\frac{1184}{1885}$	$1254 \\ 1955$	$1324 \\ 2025$	1394 2095			$\frac{1605}{2306}$				-
98	2516	2586	2656	2726	2796	2866	2936	3006	3076	3146		-
6200			3356 4057				3637	3707 4407	3777		1 -	
0200	3917	3301	2007	1121	4131	4201	1001	1407	4477	4047	)	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6200 01 02 03 04 05	5318 6018 6718	3987 4687 5388 6088 6788 7488	4757 5458 6158 6858	4827 5528 6228 6928	4897 5598 6298 6998	4967 5668 6368 7068	5038 5738	5108 5808 6508 7208	4477 5178 5878 6578 7278 7978	5248 5948 6648 7348	
06 07 08 09 10 6211	8817 9517 793 0217 0916	8188 8887 9587 0287 0986 1685	8957 9657 0356 1056	9027 9727 0426 1126	9097 9797 0496 1196	9167 9867 0566 1266	9237 9937 0636 1336	$\begin{array}{c} 9307 \\ \hline 0007 \\ 0706 \\ 1406 \end{array}$	$\begin{array}{c} \overline{0077} \\ 0776 \end{array}$	$\begin{array}{c} 9447 \\ \hline 0147 \\ 0846 \\ 1545 \end{array}$	
12 13 14 15	3014 3712 4411	2384 3083 3782 4481	3153 3852 4551	3223 3922 4621	3293 3992 4691	3363 4062 4761	3433 4132 4831	3503 4202 4900	4272 4970	3643 4341 5040	
16 17 18 19 20	5809 6507 7206	5180 5879 6577 7275 7974	5948 6647 7345	6018 6717 7415	6088 6787 7485	6158 6856 7555	6228 $6926$ $7625$	6298 6996 7694	5669 6367 7066 7764 8462	6437 7136 7834	70
6221 22 23 24 25	9300 9998 794 0696	$\begin{array}{c} 8672 \\ \underline{9370} \\ \overline{0068} \\ 0766 \\ 1463 \end{array}$	$\begin{array}{c} 9440 \\ \hline 0138 \\ 0835 \end{array}$	$\begin{array}{c} 9509 \\ \hline 0207 \\ 0905 \end{array}$	$\frac{9579}{0277} \\ 0975$	$\frac{9649}{0347}$ $1045$	$\frac{9719}{0417}$	$\begin{array}{c} \overline{0487} \\ 1184 \end{array}$		$\begin{array}{c} \overline{0626} \\ 1324 \end{array}$	1 7 2 14 3 21 4 28 5 35 6 42
26 27 28 29 30	2789 3486 4183 4880	2161 2858 3556 4253 4950	2928 3626 4323 5020	2998 3695 4392 5090	3765 4462 5159	3137 3835 4532 5229	3904 4602 5299	3277 3974 4671 5368	2649 3347 4044 4741 5438	3416 4114 4811 5508	7 49 8 56 9 63
6231 32 33 34 35	6274 6971 7668	5647 6344 7041 7738 8434	6414 7111 7807	6484 7180 7877	6553 7250 7947	6623 7320 8016	6693 7389 8086	6762 7459 8156	6135 6832 7529 8225 8922	6902 7598 8295	
36 37 38 39 40	9757 795 0454 1150 1846	1219 1915	9897 0593 1289 1985	9966 0663 1359 2055	$\begin{array}{c} \overline{0}\overline{0}\overline{3}\overline{6} \\ 0732 \\ 1428 \end{array}$	0802	$0175 \\ 0871 \\ 1567$	0941 1637	0314 $1011$ $1707$	1080 1776	
6241 42 43 44 45	3238 3933 4629	2611 3307 4003 4698 5394	3377 4072 4768	3446 4142 4838	4212 4907	2890 3586 4281 4977 5672	3655 4351 5046	3725 4420 5116	4490	3864 4559 5255	
46 47 48 49 6250	6715 7410 8105	6089 6785 7480 8175 8870	6854 7549 8244	7619 8314	6993 7688 8383	6367 7063 7758 8453 9148	7132 7827 8522	7202 7897 8592	7966 8661	7341 8036 8731	-

		4		-					-	0	D:m
No.	0	1	2	3	4	5	6	7	8	9	Diff.
6250	795 8800		8939 9634					$9287 \\ 9981$	-	$\frac{9426}{0120}$	
52	796 0190							0676			
53			1023		1162		1301		1440		-
54		1648		1787			1995		2134		
55			2412		2551	2620		2759			
56			3106					3453			
57			3800 4494		3939			4147 4841			
59			5188		5327			5535			
60	5743	5813	5882	5951	6021	6090	6160	6229	6298	6368	
6261	6437		6576		6714		6853	6923		7061	
62		7200		7339	7408		7547		7685	7755	
63	7824 8517	7893 8587		8032 8725	8101 8795			8309 9003			
65		9280	9349		9488	9557	9627		9765		
66			$\overline{0043}$					0389			
67	797 0597							1082			
68			1428		1567			1775			
69			2121		2260			2468		2606 3299	
70			2814					3160			69
$\begin{bmatrix} 6271 \\ 72 \end{bmatrix}$			3507 4199				3784	3853 4545	3922		1 7
73			4891			5099		5237	5307		2 14 3 21
74			5584					5930			4 28
75	6137	6207	6276	6345	6414	6483	6553	6622	6691	6760	5 35 6 41
76			6968		7106	7175	7245	7314		7452	7 48
77 78			7660 8351					8006 8697		8144 8836	8 55 9 62
79			9043				9320	9389		9527	9 62
80			9735				$\overline{0011}$		$\overline{0150}$	$\overline{0219}$	
6281	798 0288	0357	0426	0495	0565	0634	0703	0772	0841	0910	
82		1048		1187	1256		1394		1532	1601	
83			$1809 \\ 2500$				2085 2776	2154	2224 2915	2293 2984	
85			3191		3329	2707 3398	3467		3606		
86			3882		4020		4158	4227	4296	4366	
87		4504		4642			4849		4987		
88			5263					5609			
89			5954		6092			6299			
90			6645					6990			
6291	7197 7887		7335 8025	7404				7680 8370			
93	8577		8715	8784				9060			
94	9267		9405	9474		9612	9681	9750	9819	9888	
95	9957	$\overline{0026}$	$\overline{0095}$	$\overline{0164}$	$\overline{0233}$	$\overline{0302}$	0371	$\overline{0440}$	0509		
96	799 0647							1130		1268	
97	$1337 \\ 2027$	1406	$\frac{1475}{2164}$	1544	$\frac{1613}{2302}$			$1820 \\ 2509$	$\frac{1889}{2578}$	$\frac{1958}{2647}$	
99			2854					3199			
6300			3543					3888			
-											

No.	0	1	2	3	4	5	6	7	8	9	Diff
6300	799 3405							3888			
01 02		4164						4577			
03	4784 5473	4853		5680				5266 5955			
04		6231						6644			
05		6920						7333			
06		7609			7815			8022			
07		8297						8710			
08		8986 9674						$\frac{9399}{0087}$			
10	800 0294							0775			
6311	0982	1051	1119	1188	1257	1326	1395	1463	1532	1601	
12		1739						2152			
13		2427						2839			
14 15		3115 3802						$3527 \\ 4215$		3665	
16		4490						4903			
17		5178						5590			
18		5865						6277			
19		6552						6965			
20	7171	7239	7308	7377	7446	7514	7583	7652	7720	7789	69
6321		7927						8339			1
22 23		8614								9163	2 1
24	9232	9301		$\frac{9438}{0125}$				$\frac{9713}{0399}$		$\frac{9850}{0537}$	3 2
25	801 0605							1086			5 3
26	1292	1361	1429	1498	1566	1635	1704	1772	1841	1910	6 4
27	1978	2047	2116	2184	2253			2459			8 5
28		2733						3145			9 6
29 30		3420 4106						3831 4517			
6331		4792						5203		5340	
32		5478						5889			
33	6095	6163	6232	6301	6369			6575	6643	6712	
34		6849					7192		7329		
35		7535						7946			
36		8220						8631			
37 38		8906 9591				9180		$\frac{9317}{0002}$			
39	802 0208							0687			
40	0893	0961	1030	1098	1167	1235	1304	1372	1441	1509	
6341	1578			1783				2057			
42		2331						2742			
43	2947	3016 3700		3153				$\frac{3426}{4111}$			
45		4385			4590			4795			
46		5069						5480			
47					5959			6164			
48		6438						6848			
49		7122						7532			
6350	7737	7806	7874	7942	8011	8079	8148	8216	8284	8353	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6350 51 52 53 54 55	9105 9789 803 0472	8490 9173 9857	9242 $9925$ $0609$	8626 9310 9994	$\begin{array}{c} 8011 \\ 8695 \\ \underline{9378} \\ 0062 \\ 0745 \\ 1429 \end{array}$			0951	$8968 \\ \underline{9652} \\ 0335 \\ 1019$	9037 9720	
56 57 58 59 60	2522 3205 3888 4571	2590 3274 3957 4639	4025 4708	2727 3410 4093 4776	4161 4844	2864 3547 4230 4913	2249 2932 3615 4298 4981	3683 4366 5049	3069 3752 4435 5117	3820 4503 5186	
6361 62 63 64 65	5937 6619 7302 7984	6005 6687 7370 8052	6756 7438 8121	6141 6824 7506 8189	6210 6892 7575 8257	6278 6960 7643 8325	5664 6346 7029 7711 8393	6414 7097 7779 8462	6483 7165 7848 8530	6551 7233 7916 8598	
66 67 68 69 70	$\begin{array}{r} 9348 \\ 8040031 \\ 0712 \\ 1394 \end{array}$	9417 0099 0781 1463	0167 0849 1531	9553 0235 0917 1599	9621 0303 0985 1667	9690 0372 1053 1735	9758 0440 1122 1803	$0508 \\ 1190 \\ 1872$	9894 0576 1258 1940	9962 0644 1326 2008	68
6371 72 73 74 75	4121 4802	3507 4189 4870	2894 3575 4257 4938	3644 4325 5006	4393 5074	3780 4461 5143	2485 3167 3848 4529 5211	3916 4598 5279		4052 4734 5415	1 7 2 14 3 20 4 27 5 34 6 41
76 77 78 79 80	6164 6845 7526 8207	6913 7594 8275		7049 7730 8411	7118 7798 8479	6505 7186 7866 8547	5892 6573 7254 7934 8615	7322 8003 8683	6709 7390 8071 8751	7458 8139 8819	7 48 8 54 9 61
6381 82 83 84 85	9568 805 0248 0929 1609	9636 0316 0997 1677	1065 1745	9772 0453 1133 1813	1201 1881	9908 0589 1269 1949	9296 9976 0657 1337 2017	0044 0725 1405 2085	$     \begin{array}{r}       0112 \\       0793 \\       1473 \\       2153     \end{array} $	1541 2221	
86 87 88 89 90	2969 3649 4329 5009	4397 5077		3853 4533 5212	2561 3241 3921 4601 5280	3989 4669 5348	4737 5416	4125 4805 5484	3513 4193 4873 5552	4261 4941 5620	
6391 92 93 94 95	6368 7047 7726 8405	6436 7115 7794 8473	8541	6571 7251 7930 8609	7319 7998 8677	6707 7387 8066 8745	6096 6775 7455 8134 8813	6843 7523 8202 8881	8949	6979 7658 8338 9017	
96 97 98 99 6400	9764 806 0442 1121	1189	9899 0578	$9967 \\ 0646 \\ 1325$		$0103 \\ 0782 \\ 1460$	$\begin{array}{c} 9492 \\ \hline 0171 \\ 0850 \\ 1528 \\ 2207 \end{array}$	$     \begin{array}{r}       0239 \\       0917 \\       1596     \end{array} $	$\begin{array}{c} \overline{0307} \\ 0985 \\ 1664 \end{array}$	0374 $1053$ $1732$	

ı	NT-		0	1	2	3	4	5	6	7	8	9	Diff.	7
	No. 6400	80618						2139		•	2343	2410	וונע	-
ı	01			2546			$2071 \\ 2750$			2953				ı
ı	02			3225						3632				ı
ı	03 04		335	3903 4581			4106 4784		4242	4310	4378			ı
ı	05			5259			5463			5666		5802		ı
ı	06	58	869	5937	6005	6073	6141	6208	6276	6344	6412	6479		1
ı	07			6615					6954		7089			ı
	08 09		225	7293		7428 8106			7632 8309	7699 8377				ı
ı	10	85	680	8648	8716	8784	8851	8919	8987	9055	9122	9190		i
	6411		258			9461				9732				l
	$\begin{array}{c} 12 \\ 13 \end{array}$	$\begin{array}{c} 99 \\ 80706 \end{array}$		0003						$0409 \\ 1086$				ı
1	14		290			1493				1764				ı
	15	19	67	2034	2102	2170	2237	2305	2373	2440	2508	2576		ı
	16 17			2711 3388						3117 3794				1
	18			4065						4471				1
ı	19			4741		4877				5147				1
ı	20			5418			5621			5824			68	1
١	$\begin{bmatrix} 6421 \\ 22 \end{bmatrix}$		27	6771		6230 6906				$6500 \\ 7176$		$6635 \\ 7312$	1 7	
١	23	73	379	7447	7514	7582	7650	7717	7785	7853	7920	7988	2 14 3 20	-
1	24 25			8123 8799					8461 9137	8529 9204		8664 9340	4 27 5 34	
ı	26	-		9475						9880			6 41	1
1	27	808 00								0556			7 49 8 54	
1	28 29			0826						1232		1367	9 61	ı
	30			$\begin{array}{c} 1502 \\ 2177 \end{array}$						$\frac{1907}{2582}$				١
ı	6431			2853						3258				۱
	32			3528						3933				1
ł	33		36	4203		5013				4608 5283				1
1	35			5553			5755			5958				ı
1	36		60			6363			6565			6768		Ì
	37 38			6903 7577						7307 7982				ı
	39	81	.84	8252	8319	8387	8454	8521	8589	8656	8724	8791		l
	40			8926						9331				ı
	6441	$95 \\ 80902$		9600						$\begin{array}{c} \overline{0005} \\ 0679 \end{array}$				
	43	08	81	0949	1016	1084	1151	1218	1286	1353				-
	44			$\frac{1623}{2297}$			1825 2499		1960		2094			
	45			2970						2701 3375				
	47			3644						4048				
	48		-	4318					4654		4789			
	49 6450			4991 5664					5328	5395 6068	5462 6136			
1	0400	33			0,02	0,00	0000	0001	0001	0000	0100	0200		

No.	0	1	2	3	4	5	6	7	8	9	Diff.
51 52 53 54 55	6944 7617 8290	6338 7011 7684 8357	6405 7078 7751	6472	6540 7213 7886 8559	6607 7280 7953 8626	6674 7347 8020 8693	7415 8088	6809 7482 8155 8828	6876 7549 8222 8895	
56 57 58 59 60	9635 810 0308 0980 1653	9702 0375 1048	9770 0442 1115 1787	9837 0510 1182 1855	9904 0577	9972 0644 1317 1989	$0039 \\ 0711 \\ 1384$	$\overline{0106}$ 0779 1451 2123	$\begin{array}{c} \overline{0173} \\ 0846 \end{array}$	$ \overline{0241} $ 0913 1586 2258	
6461 62 63 64 65	4342 5013	3065 3737 4409 5081 5752	3804 4476	4543	4610	4678 5349	3401 4073 4745 5417 6088	4812 5484	3535 4207 4879 5551 6223	4946 5618	
66 67 68 69 70	7700 8372		7163 7834 8506		7297 7969 8640	7364 8036 8707 9378	7432 8103 8774 9446	6827 7499 8170 8841 9513	7566 8237 8909 9580	7633 8304 8976	67
6471 72 73 74 75	811 0385 1056 1727	9781 0452 1123 1794 2465	0519 1190 1861	$\begin{array}{c} 1257 \\ 1928 \end{array}$	0653 $1324$ $1995$	0721 1392 2062		0184 0855 1526 2197 2867	0922	0318 0989 1660 2331 3001	1 7 2 13 3 20 4 27 5 34
76 77 78 79 80	3739 4409 5080	3135 3806 4476 5147 5817	3873 4544 5214	3940 4611 5281	4007 4678 5348	4074 4745	$\begin{array}{c} 4812 \\ 5482 \end{array}$	4208 4879 5549	$\begin{array}{c} 4275 \\ 4946 \end{array}$	5013 5683	6 40 7 47 8 54 9 60
82 83 84 85	7090 7760 8430	6487 7157 7827 8497 9167	7224 7894 8564		7358 8028	7425 8095 8765	6822 7492 8162 8832 9502	6889 7559 8229 8899 9569	7626		
86 87 88 89 90	812 0439 1108 1778	9836 0506 1175 1845 2514	0573 $1242$ $1912$	0640 1309 1979	0707 1376 2045	0774 $1443$ $2112$	$0841 \\ 1510 \\ 2179$	0238 0908 1577 2246 2915	$0975 \\ 1644 \\ 2313$	1041 1711 2380	
6491 92 93 94 95	3116 3785 4454 5123 5792	4521 5190		3317 3986 4655 5323 5992		4120 4788 5457	4186 4855	3584 4253 4922 5591 6260	$\frac{4320}{4989}$		
96 97 98 99 6500	6460 7129 7797 8465 9134		7262 7931 8599		8733	7463 8131	7530 8198 8866	6928 7597 8265 8933 9601	7663 8332 9000	8399 9067	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6500 01 02 03 04 05	813 0470 1138 1805	$9868 \\ 0536 \\ 1204$	9935 0603 1271 1939	$000\overline{2}$ $0670$ $1338$ $2006$	0069 $0737$ $1405$ $2072$	$\overline{0136}$ $0804$ $1471$ $2139$	$\begin{array}{c} \overline{0202} \\ 0870 \\ 1538 \\ 2206 \end{array}$	$\begin{array}{c} 9601 \\ \hline 0269 \\ 0937 \\ 1605 \\ 2273 \\ 2940 \\ \end{array}$	$\overline{0336}$ $1004$ $1672$ $2339$	0403 $1071$ $1739$ $2406$	
06 07 08 09 10	3141 3808 4475 5143 5810	3207 3875 4542 5209 5877	3274 3942 4609 5276 5943	3341 4008 4676 5343 6010	3408 4075 4742 5410 6077	3474 4142 4809 5476 6143	3541 4209 4876 5543 6210	3608 4275 4943 5610 6277	3675 4342 5009 5676 6344	3741 4409 5076 5743 6410	
6511 12 13 14 15	7144 7811 8478 9144	6544 7211 7877 8544 9211 9877	7277 7944 8611 9278	7344 8011 8678 9344	7411 8077 8744 9411	7477 8144 8811 9477	8211 8878 9544	7611 8278	7677 8344 9011 9677	7744 8411 9078 9744	
16 17 18 19 20 6521	814 0477 1144 1810 2476		0610 1277 1943 2609	0677 1343 2010 2676	0744 1410 2076 2742	0810 1477 2143 2809	0877 1543 2210 2876	0277 0944 1610 2276 2942 3608	1010 1677 2343 3009	1077 1743 2409 3075	67
22 23 24 25 26	3808 4474 5140 5805	3875 4540 5206 5872 6537	3941 4607 5273 5938	4008 4674 5339 6005	4074 4740 5406 6071	4141 4807 5472	4207 4873 5539 6204	4274 4940 5605 6271	4341 5006 5672 6338	4407 5073	1 7 2 13 3 20 4 27 5 34 6 40 7 47
27 28 29 30 6531	7136 7801 8467 9132	7203 7868	7269 7935 8600 9265	7336 8001 8666 9331	7402 8068 8733 9398	7469 8134 8799 9464	7535 8201 8866 9531		7668 8334 8999 9664	7735 8400 9065 9730	8 54 9 60
32 33 34 35 36	1791 2456	2 0528 7 1193 1858 3 2522 9 3187	1260 1924 2589	1326 $1991$ $2655$	1392 2057 2722	0794 1459 2124 2788	0861 $1525$ $2190$ $2855$	0927 1592 2257 2921 3586	0994 $1658$ $2323$ $2988$	1060 1725 2389 3054	
37 38 39 40 6541	4449 5113 5777	3851 4516 35180 5844 6508	4582 5246 5910	4648 5313 5977	4715 5379 6043	4117 4781 5445 6109	4183 4848 5512 6176	4250 4914 5578 6242	4316 4981 5645 6309	4383 5047 5711	l
42 43 44 45 46	7108 7769 8438 9097	5 7172 9 7836 8 8499 7 9163	7238 7902 8566 9229	7305 7968 8632 9296	7371 8035 8698 9362	7437 8101 8765 9428	7504 8167 8831 9495	7570 8234 8897 9561	7636 8300 8964 9627	7703	
47 48 49 6550	816 0423 1087 1750	3 0490 7 1153 9 1816	0556 $1219$ $1883$	0622 $1286$ $1949$		$0755 \\ 1418 \\ 2081$	0821 $1485$ $2148$	$0888 \\ 1551 \\ 2214$	0954 $1617$ $2280$	1020 1684 2347 3010	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6550 51 52 53 54 55	3739 4402 5064	3805 4468 5131	2546 3209 3871 4534 5197 5859	3275 3938 4600 5263	4004 4667 5329	4070 4733 5396	4137 4799	3540 4203 4866 5528	$\begin{array}{c} 4269 \\ 4932 \end{array}$	4335 4998 5661	
56 57 58 59 60 6561	7052 7714 8376 9038	7118 7780 8443 9105		7251 7913 8575 9237	7317 7979 8641 9303	7383 8045 8707 9369	8111 8774 9436	6853 7515 8178 8840 9502 0164	8244 8906 9568	7648 8310 8972	
62 63 64 65	1686 2347	1090 1752 2413	1156 1818 2480	1223 1884 2546	1289 1950 2612	1355 2017 2678	1421 2083 2744		1553 2215 2876	1620 2281 2943	
66 67 68 69 70	3670 4331 4993	3736 4398 5059	3141 3802 4464 5125 5786	3869 4530 5191	4596	4001 4662 5323	4067 4728 5389	3472 4133 4794 5455 6116	4199 4860 5521	4265 4927 5588	66
6571 72 73 74 75	6976 7636 8297	7042 7702 8363		7174 7835 8495	8561	7306 7967	7372 8033 8693	6777 7438 8099 8759 9420	7504 8165 8825	7570 8231 8892	1 7 2 13 3 20 4 26 5 33 6 40
76 77 78 79 80	818 0278 0939 1599	$0344 \\ 1005 \\ 1665$	9750 0410 1071 1731 2391	$0477 \\ 1137 \\ 1797$	0543 1203 1863	0609 1269 1929	0675 1335 1995		0807 1467 2127	0873 1533 2193	7 46 8 53 9 59
6581 82 83 84 85	3579 4239 4898	3645 4305	3051 3711 4370 5030 5690	3777 4436	4502	3909 4568 5228	3975 4634	3381 4041 4700 5360 6019	4107 4766	4173 4832 5492	
86 87 88 89 90	7536 8195	6943 7602 8261	7008 7668	7074 7734 8393	7800 8459	7206 7866 8525	7931 8591	6679 7338 7997 8656 9315	8722	7470 8129	
6591 92 93 94 95	819 0172 0831 1489	$\begin{array}{c} 0897 \\ 1555 \end{array}$	$\begin{array}{c} 0304 \\ 0962 \end{array}$	1028 1687	0436	0501 1160 1819	0567 1226 1885		0699 1358 2016	0765	
96 97 98 99 6600	3465 4123 4781	3531 4189 4847	2938 3597 4255 4913 5571	3662 4321 4979	3728 4386 5045	3794 4452 5110	4518 5176	3926	3991 4650 5308	4715 5374	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6600 01 02 03 04 05	6755 7413	6163 6821 7479 8136	6229 6887 7545	6295 6953 7610 8268	6360 7018	6426 7084 7742 8399		7873 8531	$6624 \\ 7281$	6689 7347 8005 8662	
06 07 08 09 10 6611	1358 2015	0109 0766 1423 2080	0832 1489 2146	0240 0898 1555 2212	0306 0963 1620 2277	0372 1029 1686 2343	0437 1095 1752 2409	9846 0503 1160 1817 2474	0569 1226 1883 2540	0635 1292 1949 2606	
12 13 14 15	2672 3328 3985 4642 5298	3394 4051 4708	5430	4182 4839 5495	4248 4905 5561	3657 4314 4970 5627	$\begin{array}{c} 3723 \\ 4379 \end{array}$		3854 4511	4576 5233 5889	
17 18 19 20 6621	6611 7268 7924 8580	6021 6677 7333 7989 8645 9301	6743 7399 8055 8711	6808 7464 8121 8777	6874 7530 8186	6939 7596 8252 8908		7071 7727 8383 9039	7136	7202 7858 8514 9170	66
22 23 24 25 26	9892 821 0548 1203 1859	9957 $0613$ $1269$	$     \begin{array}{r}       \hline       0023 \\       0679 \\       1334 \\       1990     \end{array} $	$     \begin{array}{r}       \hline       0089 \\       0744 \\       1400 \\       2055     \end{array} $	0154 0810 1465 2121	$0\overline{220}$ $0875$ $1531$ $2187$	$     \begin{array}{r}       0\overline{285} \\       0941 \\       1597 \\       2252     \end{array} $	$     \begin{array}{r}       \hline       0351 \\       \hline       1007 \\       \hline       1662 \\       \hline       2318 \\       \hline       2973 \\    \end{array} $	0416 $1072$ $1728$ $2383$	$\begin{array}{c} \overline{0482} \\ 1138 \end{array}$	1 7 2 13 3 20 4 26 5 33 6 40
27 28 29 30 6631	3170 3825 4480 5135	3235 3891 4546 5201 5856	3301 3956 4611 5266	3366 4022 4677 5332	3432 4087 4742 5397	3497 4153 4808 5463	3563 4218 4873 5528	3628 4284 4939 5594 6249	3694 4349 5004 5659	3759 4415 5070 5725	7 46 8 53 9 59
32 33 34 35 36	6445 7100 7755 8409	6511 7165 7820 8475	6576 7231 7886 8540	6642 7296 7951 8606	6707 7362 8017 8671	6773 7427 8082 8737	6838 7493 8147 8802	6904 7558 8213 8867	6969 7624 8278 8933	7034 7689 8344 8998	
37 38 39 40	9718 822 0372 1027 1681	1092 1746	9849 0503 1158 1812	9914 0569 1223 1877	9980 0634 1288 1942	0045 $0700$ $1354$ $2008$	0111 0765 1419 2073	$\begin{array}{c} 9522 \\ \hline 0176 \\ 0830 \\ 1485 \\ 2139 \\ 0702 \\ 0$	$     \begin{array}{r}       \hline       0242 \\       0896 \\       1550 \\       2204     \end{array} $	0961 1615 2269	
6641 42 43 44 45	2989 3643 4296 4950	3708 4362 5015	3119 3773 4427 5081	3185 3839 4492 5146	4558 5211	3316 3969 4623 5277	4688 5342	3446 4100 4754 5407	4819 5473	3577 4231 4884 5538	
46 47 48 49 6650	6257 6910 7563	5669 6322 6975 7629 8282	6387 7041 7694	6453 7106 7759	6518 7171 7825	$6583 \\ 7237$	6649 7302 7955	6061 6714 7367 8021 8674	6779 7433 8086	6845 7498 8151	

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No.	0	1	2	3	4	5	6	7	8	9	Di	ff.
6650	822 8216							8674		8804		
$\begin{array}{c c} 51 \\ 52 \end{array}$		8935 9588					9261	9327	$\frac{9392}{0045}$	$\frac{9457}{0110}$		
53	823 0175						0567		0697	0763		
54		0893					1220	1285	1350			
55	1481	1546	1611	1676	1742	1807	1872	1937	2003	2068		
56	2133	2198	2264	2329	2394	2459	2525	2590	2655	2720		
57		2851						3242				
58		3503						3894				- 1
59		4155						4547				
60		4808						5199		5329		
6661		5460					5786	5851		5981		
62 63		$6111 \\ 6763$					6437 7089		$6568 \\ 7220$			
64		7415			7611		7741		7871	7936		ı
65	,	8067		8197	8262	8327		8458	8523	8588		
66	8653	8718	8783	8849	8914	8979	9044	9109	9174	9239		
67	9305	9370	9435	9500	9565	9630	9695	9761	9826	9891		
68		$\overline{0021}$					$\overline{0347}$					
- 69	824 0607						0998			1193		
70		1323						1714			65	5
6671		$1975 \\ 2625$	2040		2170		$2300 \\ 2951$		2430 3081	2495 3146	1	7
$\begin{bmatrix} 72 \\ 73 \end{bmatrix}$		3276						3667		3797		13 20
74		3927		4057	4122	4187	4252	4318				26
75		4578			4773	4838	4903		5033		5	33
76	5163	5228	5293	5358	5423	5489	5554	5619	5684	5749		39 46
77		5879						6269				52
78		6529						6919			9	59
79		7179 7830			7375		7505	7570 8220	7635	7700 8350		
80												
6681		8480 9130		8610				8870 9520		9000		
83		9780						$\frac{5520}{0169}$				
84	825 0364							0819				- {
85	1014	1079	1144	1209	1274	1339	1404	1469	1534	1599		
86	1664	1729	1794	1859	1924					2248	1	
87		2378						2768				
88		3028						3417			1	
89 90		$\frac{3677}{4326}$				3937 4586	4651	4066	4780		1	
6691		4975						5365				
92		5624						6014				
93		6273						6662				
94	6857	6922	6987	7052	7117		7246	7311		7441		
95	7506	7571	7636	7700	7765	7830	7895	7960	8025	8090		
96					8414			8608		8738		
97		8868				9127		9257	9322			
98	$9451 \\ 8260100$	9516						$9905 \\ 0554$		$0035 \\ 0683$		
6700					1007			1202			1	
0.00	1										1	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
6700 01 02 03 04 05	2044 2692 3340	0813 1461 2109 2757 3405 4053	1526 2174 2822 3470	1591 2239 2887 3534	1655 2303 2951 3599	3016 3664	2433 3081 3729	1202 1850 2498 3146 3794 4441	1915 2563 3210 3858	1979 2627 3275 3923	
06 07 08 09 10	5931	5348 5995 6643 7290	5413 6060 6707 7355	6125	5542 6190 6837 7484	5607 6254 6902 7549	5672 6319 6966 7614	5089 5736 6384 7031 7678 8325	5801 6448 7096 7743	5866 6513	
12 13 14 15 16	8519 9166 9813 827 0460	8584 9231 9878	8649 9296 9943 0590	$\begin{array}{c} 8714 \\ \underline{9361} \\ \overline{0007} \\ 0654 \end{array}$	$\begin{array}{c} 8778 \\ \underline{9425} \\ 0072 \\ 0719 \end{array}$	$\begin{array}{r} 8843 \\ \underline{9490} \\ 0137 \\ 0784 \end{array}$	$8908 \\ 9555 \\ \hline 0201 \\ 0848$	8972 9619 0266 0913	$\begin{array}{c} 9037 \\ \underline{9684} \\ \overline{0331} \\ 0978 \end{array}$	$9102 \\ 9749 \\ \hline 0395 \\ 1042$	
17 18 19 20	1753 2400 3046 3693	1818 2465 3111 3757	1883 2529 3176 3822	1947 2594 3240 3887	2012 2659 3305 3951	2077 2723 3370 4016	2141 2788 3434 4080	2206 2852 3499 4145	2271 2917 3563 4210	2335 2982 3628 4274	65
6721 22 23 24 25	5631 6277 6923	5050 5696 6342 6987	5760 6406 7052	5179 5825 6471 7117	5889 6535 7181	5308 5954 6600 7246	5373 6019 6665 7310	4791 5437 6083 6729 7375	5502 6148 6794 7439	5567 6212 6858 7504	1 7 2 13 3 20 4 26 5 33 6 39
26 27 28 29 30	8860 9505 828 0151	8279 8924 9570 0215	8343 8989 9634 0280	8408 9053 9699 0344	9118 9763 0409	8537 9183 9828 0473	8602 9247 9893 0538	8021 8666 9312 9957 0602	$\begin{array}{c} 8731 \\ \underline{9376} \\ \overline{0022} \\ 0667 \end{array}$	$\begin{array}{c} 9441 \\ \hline 0086 \\ 0731 \end{array}$	7 46 8 52 9 59
6731 32 33 34 35	1441 2086 2731 3376	0860 1506 2151 2796 3440	1570 2215 2860 3505	1635 2280 2925 3569	2344 2989 3634	1764 2409 3054 3698	1828 2473 3118 3763	1248 1893 2538 3183 3827	1957 2602 3247 3892	2667 3312 3956	
36 37 38 39 40	5310 5955 6599	4730 5375 6019 6663	4794 5439 6083 6728	5503 6148 6792	4923 5568 6212 6857	4988 5632 6277 6921	5697 6341 6986	5117 5761 6406 7050	5826 6470 7114	5246 5890 6535 7179	
6741 42 43 44 45	9176	7952 8596	8016 8660 9304	8081 8725 9369	8789 9433	$ 8210 \\ 8854 \\ 9498 \\ \hline 0141 $	$\begin{array}{c} 8274 \\ 8918 \\ \underline{9562} \\ \overline{0206} \end{array}$	$\overline{0270}$	$8403 \\ 9047 \\ 9691 \\ \hline 0335$	$8467 \\ 9111 \\ 9755 \\ \hline 0399$	
46 47 48 49 6750	1751 2394	0528 1171 1815 2459 3102	$1236 \\ 1879 \\ 2523$	$1300 \\ 1944 \\ 2587$	$1365 \\ 2008 \\ 2652$	1429 2073 2716	1493 2137 2780	0914 1558 2201 2845 3488	1622 2266 2909	2973	

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66 67 68 69 70 6771	3962 4604 5245 5887	4026 4668 5309 5951	3448 4090 4732 5373 6015 6656	4154 4796 5438 6079	4218 4860 5502 6143	4283 4924 5566 6207	3705 4347 4988 5630 6272 6913	4411 5053 5694 6336	4475 5117 5758 6400	4539 5181 5823	64
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77 78 79 80 6781	831 0375 1016 1656 2297	0439 1080 1720 2361		0567 1208 1849 2489	0631 1272 1913 2553	0695 1336 1977 2617	0759 1400 2041 2681 3322	0823 1464 2105 2745	0887 1528 2169 2809	0952 1592 2233 2873	7 45 8 51 9 58
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5479 6114 6750	5542 6178 6813	5606 6241 6877	5669 6305 6940	5733 6368 7004	5796 6432 7067	5860 6496 7131	5924 6559 7195	5987 6623 7258	6051 6686 7322	
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4021 4085 4149 4659 4722 4786 5296 5360 5423 5933 5997 6060 6570 6634 6697 7207 7271 7334 7844 7907 7971 8480 8544 8608 9117 9181 9244 9754 9817 9881 834 0390 0454 0517 1027 1090 1154 1663 1726 1790 2299 2363 2426 2935 2999 3062 3571 3635 3698 4207 4271 4334 4843 4906 4970 5479 5542 5606 6114 6178 6241 6750 6813 6877 7385 7449 7512 8021 8084 8148 8656 8719 9783 8926 9990 0053 835 0561 0625 0688 1196 1259 1323 1831 1894 1958 2465 2529 2592 3100 3163 3227 3735 3798 3861 4369 4432 4496 5003 5067 5130 5638 5701 5764 6272 6335 6398	832 5089 5153 5217 5281 5728 5792 5855 5919 6366 6430 6494 6558 7005 7069 7132 7196 7643 7707 7771 7835 8281 8345 8409 8473 8919 8983 9047 9111 9558 9621 9685 9749 833 0195 0259 0323 0387 0833 0897 0961 1025 1471 1535 1599 1662 2109 2173 2236 2300 2746 2810 2874 2938 3384 3448 3511 3575 4021 4085 4149 4212 4659 4722 4786 4850 5296 5360 5423 5487 5933 5997 6060 6124 6570 6634 6697 6761 7207 7271 7334 7398 7844 7907 7971 8035 8480 8544 8608 8672 9117 9181 9244 9308 9754 9817 9881 9945 834 0390 0454 0517 0581 1027 1090 1154 1217 1663 1726 1790 1854 2299 2363 2426 2490 2935 2999 3062 3126 3571 3635 3698 3762 4207 4271 4334 4398 4843 4906 4970 5034 5479 5542 5606 5669 6114 6178 6241 6305 6750 6813 6877 6940 7385 7449 7512 7576 8021 8084 8148 8211 8656 8719 9783 8846 9291 9354 9418 9481 9926 9990 0053 0117 835 0561 0625 0688 0751 1196 1259 1323 1386 1831 1894 1958 2021 2465 2529 2592 2656 3100 3163 3227 3290 3735 3798 3861 3925 4869 4432 4496 4559 5003 5067 5130 5194 5638 5701 5764 5828 6272 6335 6398 6462	832 5089 5153 5217 5281 5345 5728 5792 5855 5919 5983 6366 6430 6494 6558 6622 7005 7069 7132 7196 7260 7643 7707 7771 7835 7898 8281 8345 8409 8473 8537 8919 8983 9047 9111 9175 9558 9621 9685 9749 9813 833 0195 0259 0323 0387 0451 0833 0897 0961 1025 1088 1471 1535 1599 1662 1726 2109 2173 2236 2300 2364 2746 2810 2874 2938 3001 3384 3448 3511 3575 3639 4021 4085 4149 4212 4276 4659 4722 4786 4850 4913 5296 5360 5423 5487 5551 5933 5997 6060 6124 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5733

No.		0	1	2	3	4	5	6	7	8	9	Diff.
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6871 72 73 74 75	1 2	832 463	0263 0895 1527 2158 2790	$0958 \\ 1590 \\ 2222$	1021	1084 1716 2348	2411	1211 1843 2474	0642 1274 1906 2538 3169	1969 2601	$\begin{array}{c} 1400 \\ 2032 \end{array}$	1 6 2 13 3 19 4 25 5 32
76 77 78 79 80	4	1622 5253	4053 4685 5316	4748 5379	4180 4811 5442	4243	4306 4937 5569	$\begin{array}{c} 5001 \\ 5632 \end{array}$	4432 5064	4495 5127 5758	5190 5821	6 38 7 44 8 50 9 57
82 83 84 85		3516 7147 7778 8409 9039	7210 7841 8472	6642 7273 7904 8535 9166	7336 7967 8598	8030 8661	7462 8093 8724	7525 8156 8787	6957 7588 8219 8850 9481	7652 8282 8913	8346 8976	
86 87 88 89 90	838	$0301 \\ 0931 \\ 1562$	$0994 \\ 1625$	0427 $1057$ $1688$	0490 1121 1751	9922 0553 1184 1814 2444	0616 1247 1877	0679 $1310$ $1940$	0112 0742 1373 2003 2633	0805 1436 2066	0868 1499 2129	
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96 97 98 99 6900		6602 $7232$ $7861$	6665 7295 7924	6728 7358 7987	6791 7421 8050	6224 6854 7484 8113 8743	6917 7547 8176	6980 7610 8239		7106 7736 8365	7169 7798 8428	

-	No.	′ 0	1	2	3	4	5	6	7	8	9	Diff.
	6900 01 02 03 04 05	9750 839 0379 1008	9183 9812	9246 9875 0505 1134	9309 9938 0567 1197	$\begin{array}{c} 9372 \\ \hline 0001 \\ 0630 \end{array}$	$0064 \\ 0693 \\ 1322$	$\begin{array}{c} 9498 \\ \hline 0127 \\ 0756 \\ 1385 \end{array}$	8931 9561 0190 0819 1448 2077	$\begin{array}{c} 9624 \\ \hline 0253 \\ 0882 \\ 1511 \end{array}$	0316 0945 1574	
	06 07 08 09 10	3523 4152 4780	2329 2957 3586 4215 4843 5472	3649 4278 4906	3083 3712 4341 4969	3775 4403 5032	3209 3838 4466 5095	3272 3900 4529 5158	2706 3335 3963 4592 5220 5849	3398 4026 4655 5283	3460 4089 4718 5346	
	12 13 14 15 16	6037 6666 7294 7922 8550	6100 6728 7357 7985 8613	6163 6791 7419 8047 8675	6226 6854 7482 8110 8738	6289 6917 7545 8173 8801	6351 6980 7608 8236 8864	6414 7042 7671 8299 8927	6477 7105 7733 8361 8989	6540 7168 7796 8424 9052	6603 7231 7859 8487 9115	
	17 18 19 20 6921	9806 840 0433 1061 1688	1124 1751	9931 0559 1186 1814	9994 0622 1249 1877	0057 0684 1312 1939	$0\overline{119} \\ 0747 \\ 1375 \\ 2002$	0182 $0810$ $1437$ $2065$	$\begin{array}{c} 9617 \\ \hline 0245 \\ 0873 \\ 1500 \\ 2128 \end{array}$	0308 $0935$ $1563$ $2190$	$     \begin{array}{r}       \overline{0371} \\       0998 \\       1626 \\       2253     \end{array} $	63
	22 23 24 25 26	2943 3571 4198 4825	2379 3006 3633 4260 4888	3069 3696 4323 4950	3132 3759 4386 5013	3194 3821 4449 5076	3257 3884 4511 5138	3320 3947 4574 5201	2755 3382 4010 4637 5264	3445 4072 4699 5326	3508 4135 4762 5389	2 13 3 19 4 25 5 32 6 38 7 44
	27 28 29 30 6931	6079 6706 7332 7959	8022	6204 6831 7458 8084	6267 6894 7520 8147	6330 6956 7583 8210	6392 7019 7646 8272	6455 7082 7708 8335	8398	6580 7207 7834 8460	6643 7270 7896 8523	8 50 9 57
	32 33 34 35	9212 9838 841 0465 1091	1153	9337 9964 0590 1216	$\begin{array}{c} 9400 \\ \hline 0026 \\ 0653 \\ 1279 \end{array}$	$\begin{array}{c} 9463 \\ \hline 0089 \\ 0715 \\ 1341 \end{array}$	$\begin{array}{r} 9525 \\ \hline 0152 \\ 0778 \\ \hline 1404 \end{array}$	$\begin{array}{r} 9588 \\ \hline 0214 \\ 0840 \\ 1467 \end{array}$	1529	$\begin{array}{c} 9713 \\ \hline 0339 \\ 0966 \\ 1592 \end{array}$	$\begin{array}{c} 9776 \\ \hline 0402 \\ 1028 \\ 1654 \end{array}$	
	37 38 39 40 6941	2343 2969 3595 4220	1780 3 2406 3 3031 3 3657 4 283	2468 3094 3720 4346	2531 3157 3782 4408	2593 3219 3845 4471	2656 3282 3908 4533	2719 3344 3970 4596	2155 2781 3407 4033 4658	2844 3470 4095 4721	4784	
	42 43 44 45 46	5472 6097 6723 7348	4909 5534 6160 6785 7410	5597 6222 6848 7473	5659 6285 6910 7535	5722 6347 6973 7598	5784 6410 7035 7660	5847 6472 7098 7723	7160 7785	5972 6597 7223 7848	6035 6660 7285 7910	
	47 48 49 6950	8598 9223	8 8036 8 8661 8 9286 8 9911	8723 9348	8786 9411	8848 9473	8911 9536	8973 9598	$   \begin{array}{r}     8411 \\     9036 \\     9661 \\     \hline     0285   \end{array} $	9098 9723	9161 9786	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
6950 51 52 53 54 55	841 9848 842 0473 1098	9911	9973 0598 1223 1847 2472	0036	$     \begin{array}{r}       0098 \\       0723 \\       1348 \\       1972     \end{array} $	0160 $0785$ $1410$ $2035$ $2659$	$   \begin{array}{r}     \hline     0223 \\     0848 \\     1472 \\     2097 \\     2722 \\     3346   \end{array} $	$   \begin{array}{r}     \hline     0285 \\     0910 \\     1535 \\     2160   \end{array} $	$ \begin{array}{r}     \hline       0348 \\       0973 \\       1597 \\       2222 \\       2846 $	$     \begin{array}{r}       \hline       0410 \\       1035 \\       1660 \\       2284     \end{array} $	
56 57 58 59 60	3596 4220 4844	3658 4282 4907 5531	3721 4345 4969	3783 4407 5031 5656	3845 4470	3908 4532 5156 5780	3970 4595 5219		4095 4719 5344 5968	4158 4782 5406	
6961 62 63 64 65	7964 8588 9211	6779 7403 8026 8650 9274	7465 8089 8712 9336	6904 7527 8151 8775 9398	7590 8213 8837 9461	8899 9523	8962 9585		7839 8463 9086 9710	8525 9149 9772	
66 67 68 69 70 6971	1705	0520 1144 1767 2390	1206	0645 1268 1892 2515	0084 0707 1331 1954 2577 3200	0770 1393 2016 2639	0832 1455 2079 2702		0957 1580 2203 2826	1019 1642 2265 2889	62
72 73 74 75	3574 4197	3636 4259 4882 5504	3698 4321 4944 5567	3761 4383	3823 4446 5069 5691	3885 4508 5131 5753	3948 4570 5193 5816	4010 4633 5255 5878 6500	4072 4695 5318 5940	4134 4757 5380 6002	1 6 2 12 3 19 4 25 5 31 6 37
77 78 79 80 6981	6687 7310 7932	6749 7372 7994 8616	6812 7434 8056	6874 7496 8119 8741	6936 7559 8181	6998 7621 8243 8865	$\begin{array}{c} 7061 \\ 7683 \end{array}$	7123 7745 8368	7185 7808	7247 7870 8492 9114	7 43 8 50 9 56
82 83 84 85 86	9798 844 0420 1042 1664	9861	9923 0545 1167 1788	$9985 \\ 0607$	0047	$     \begin{array}{r}       0109 \\       0731 \\       1353 \\       1975     \end{array} $	$\overline{0172}$	$     \begin{array}{r}       \hline       0234 \\       \hline       0856 \\       1478 \\       2099 \\       \hline       2721 \\     \end{array} $	0296 $0918$ $1540$	$     \begin{array}{r}       0358 \\       0980 \\       1602 \\       2224     \end{array} $	
87 88 89 90 6991	2907 3529 4150 4772	2970 3591 4213 4834	3032 3653 4275 4896	3094 3715 4337 4958 5579	3156 3778 4399 5020	3218 3840 4461 5082	3280 390 <b>2</b> 4523	3343 3964 4585 5207	$3405 \\ 4026 \\ 4647$	3467 4088 4710 5331	
92 93 94 95 96	6014 6635 7256 7877	6076 6697 7318	6138 6759 7380 8001	6201 6822 7443 8063	6263 $6884$ $7505$	6325 6946 7567 8188	6387 7008 7629 8250	6449 7070 7691 8312	$6511 \\ 7132$	6573 7194 7815 8436	
97 98 99 7000	9119 9739 845 0360	$9181 \\ 9801 \\ 0422$	9243 $9863$ $0484$	$9305 \\ 9926$	9367 9988 0608	$\begin{array}{r} 9429 \\ \hline 0050 \\ 0670 \end{array}$	$\frac{9491}{0112}$ $0732$	$\frac{9553}{0174}$	$\begin{array}{c} 9615 \\ \hline 0236 \\ 0856 \end{array}$	$\begin{array}{c} 9677 \\ \hline 0298 \\ 0918 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7000 01 02 03 04 05	2221 2841 3461	1042 1663 2283 2903 3523 4143	1725 2345 2965 3585	1787 2407 3027 3647	1849 2469 3089 3709	1911 2531 3151 3771	1973 2593 3213 3833	1415 2035 2655 3275 3895 4515	2097 2717 3337 3957	2159 2779 3399 4019	
06 07 08 09 10	5321 5941 6561 7180	4763 5383 6003 6623 7242	5445 6065 6685 7304	5507 6127 6746 7366	5569 6189 6808 7428	5631 6251 6870 7490	5693 6313 6932 7552	5135 5755 6375 6994 7614	5817 6437 7056 7676	5879 6499 7118 7738	
7011 12 13 14 15	8419 9038 9658 846 0277		8543 9162 9781 0401	8605 9224 9843 0462	8667 9286 9905 0524	8729 9348 9967 0586	$\begin{array}{c} 8791 \\ \underline{9410} \\ \overline{0029} \\ 0648 \end{array}$	8233 8853 9472 0091 0710	$8915 \\ \underline{9534} \\ \overline{0153} \\ 0772$	$\begin{array}{c} 8976 \\ \underline{9596} \\ 0215 \\ 0834 \end{array}$	
16 17 18 19 20	1515 2134 2752 3371	0958 1577 2196 2814 3433	1639 2257 2876 3495	1700 2319 2938 3557	2381 3000 3619	2443 3062 3680	1886 2505 3124 3742	1948 2567 3186 3804	2010 2629 3247 3866	2691 3309 3928	62
7021 22 23 24 25	4608 5227 5845 6463	5907 6525	4732 5350 5969 6587	4794 5412 6031 6649	4856 5474 6092 6711	4917 5536 6154 6772	5598 6216 6834	4423 5041 5660 6278 6896	5103 5721 6340 6958	5783 6401 7020	1 6 2 12 3 19 4 25 5 31 6 37
26 27 28 29 30	7700 8318 8935 9553	7143 7761 8379 8997 9615	7823 8441 9059 9677	7885 8503 9121 9739	7947 8565 9183 9800	8009 8626 9244 9862	8070 8688 9306 9924	7514 8132 8750 9368 9986	$\begin{array}{c} 8194 \\ 8812 \\ \underline{9430} \\ 0047 \end{array}$	$\begin{array}{c} 8256 \\ 8874 \\ \underline{9491} \\ \overline{0109} \end{array}$	7 43 8 50 9 56
7031 32 33 34 35	1406 2024 2641	0850 1468 2085 2703	0912 1530 2147 2764	0974 1591 2209 2826	1036 1653 2271 2888	1097 1715 2332 2950	1159 1777 2394 3011	0603 1221 1838 2456 3073	1283 1900 2518 3135	1344 1962 2579 3197	
36 37 38 39 40	3876 4493 5110 5727	3320 3937 4554 5171 5788	3999 4616 5233 5850	4061 4678 5295 5912	4122 4739 5356 5973	4184 4801 5418 6035	4246 4863 5480 6097	3690 4307 4925 5542 6158	4369 4986 5603 6220	4431 5048 5665 6282	
7041 42 43 44 45	6960 7577 8193 8810	7639 8255 8872	7084 7700 8317 8933	7145 7762 8378 8995	7207 7824 8440 9057	7269 7885 8502 9118	7330 7947 8563 9180	8009 8625 9241	7454 8070 8687 9303	7515 8132 8748 9365	
46 47 48 49 7050	848 0043 0659 1275	9488 0104 0721 1337 1953	0166 0782 1398	$0228 \\ 0844 \\ 1460$	$0289 \\ 0905 \\ 1522$	0351 0967 1583	0412 1029 1645	9858 0474 1090 1706 2322	0536 1152 1768	0597 1213 1830	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7050	848 1891							2322			Dia.
51	2507		2630					2938			
52			3246					3554			
53 54			3862 4478		3985 4601			4170 4786			
55			5093		5216			5401			
56			5709		5832			6017			
57			6324					6632			
58	6817		6940		7063		7186			7370	
59 60	7432		7555 8170			7739	7801	7862 8478	7924		
7061			8785		8908			9093		9216	
62			9400		9523			9708		9831	
63			$\overline{0015}$		0138			$\overline{0322}$			
64	849 0507				0753		0876			1060	
65			1245		1368	1429	1490		1613		
66			1859 2474					$\frac{2167}{2781}$			
68			3088					3396			
69	3580	3641	3703	3764	3826	3887	3948	4010	4071	4133	
70	4194	4256	4317	4378	4440	4501	4563	4624	4686	4747	61
7071			4931				5177	5238			1 6
72			5545 6159		5668		5791 6405		$\frac{5914}{6528}$		2 12
73 74			6773		6896	6958	7019			7203	3 18 4 24
75		7326		7449	7510			7694			5 31
76	7878	7940	8001	8062	8124	8185	8246	8308	8369	8431	6 37 7 43
77			8615					8922			8 49
78 79			$9228 \\ 9842$					$\frac{9535}{0149}$		$\frac{9658}{0271}$	9 55
80	850 0333							0762			
7081	0946	1007	1069	1130	1191	1253	1314	1375	1437	1498	
82			1682					1988			
83		2234 2847		$2356 \\ 2969$				$\frac{2602}{3215}$			
84 85			3521		3644			3828			
86	4011	4073	4134	4195	4257		4379				
87	4624	4686	4747	4808	4869	4931	4992	5053	5115	5176	
88			5360					5666			
89		5911 6524	5972 6585	6034	6095 6707		6217 $6830$	6279 6891	6340 6952		
7091		7136	7197	7259	7320		7442		7565		
92	7687	7749	7810	7871	7932	7993		8116			
93	8300	8361		8483			8667		8789		
94		8973	9034 9646	9095	9157 9769		9279	$9340 \\ 9952$	$\frac{9402}{0014}$		
95											
96	851 0136 0748				0381		1115	$0564 \\ 1176$	1238		
98		1421	1482	1544	1605	1666	1727	1788	1849	1911	
99	1972		2094			2278			2461		
7100	2583	2645	2706	2767	2828	2889	2950	3012	3073	3134	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7100 01 02 03	3807	2645 3256 3868 4479	3317 3929	3379 3990	3440 4051	3501 4112	$\begin{array}{c} 3562 \\ 4174 \end{array}$	3012 3623 4235 4846	3684 4296	3746 4357	
04 05 06	5030 5641	5091 5702 6313	5152 5763	5213 5824	5274 5885	5335 5946	5 <b>39</b> 6 6008	5457 6069 6680	5519 6130	5580 6191	
07 08 09 10	7474 8085	6924 7535 8146 8757	7596 8207	7657 8268	7719 8329	7780 8391	7841 8452	7291 7902 8513 9124	7963 8574	8024 8635	
7111 12 13 14 15	9307 9917 852 0528	9368 9979 0589 1200	$\frac{9429}{0040}$	$\begin{array}{c} 9490 \\ \hline 0101 \\ 0711 \\ 1322 \end{array}$	$\begin{array}{c} 9551 \\ \hline 0162 \\ 0772 \\ 1383 \end{array}$	$\begin{array}{r} 9612 \\ \hline 0223 \\ 0833 \\ 1444 \end{array}$	$\frac{9673}{0284}$ $0894$	$\begin{array}{r} 9734 \\ \hline 0345 \\ 0955 \\ 1566 \end{array}$	$\frac{9795}{0406}$ $1017$	9856	
16 17 18 19 20	2359 2970 3580 4190	2420 3031 3641 4251 4861	2481 3092 3702 4312	2542 3153 3763 4373	2604 3214 3824 4434	2665 3275 3885 4495	2726 3336 3946 4556	2787 3397 4007 4617 5227	2848 3458 4068 4678	2909 3519 4129	
7121 22 23 24 25	5410 6020 6629 7239	5471 6081 6690	5532 6142 6751 7361	5593 6203 6812 7422	5654 6264 6873 7483	5715 6325 6934 7544	5776 6386 6995	5837 6447 7056 7666	5898 6508 7117	5959 6568 7178	61 1 6 2 12 3 18 4 24 5 31
26 27 28 29 30	8458 9068 9677 853 0286	8519 9129 9738	8580 9189 9799 0408	8641 9250 9860 0469	8702 9311 9921 0530	8763 9372 9982 0591	$8824 \\ \underline{9433} \\ 0042 \\ 0652$	$   \begin{array}{r}     8885 \\     9494 \\     \hline     0103 \\     0713 \\     1322   \end{array} $	$8946 \\ \underline{9555} \\ 0164 \\ 0773$	$\begin{array}{c} 9007 \\ \underline{9616} \\ 0225 \\ 0834 \end{array}$	6 37 7 43 8 49 9 55
7131 32 33 34 35	2113 2722 3331	1565 2174 2783 3392 4001	2235 2844 3453	2296 2905 3514	2357 2966 3575	2418 3027 3635	2479 3088 3696	1931 2540 3148 3757 4366	2600 3209 3818	2661	
36 37 38 39 40	5157 5765 6374	4609 5218 5826 6435 7043	5279 5887	5340 5948 6556	5400 6009 6617	5461 6070 6678	5522 6130 6739	4974 5583 6191 6800 7408	5644 6252 6860	5705 6313 6921	
7141 42 43 44 45	8198 8807	7651 8259 8867 9475 0083	8320 8928	8381 8989 9597	8442 9050 9658	7894 8502 9110 9718	7955 8563 9171 9779	8016 8624 9232 9840 0448	8077 8685 9293 9901	8138 8746 9354 9962	
46 47 48 49	0630 1238 1845	0691	0752 1359 1967	0812 1420 2028	0873 1481 2088	0934 1542 2149	$0995 \\ 1602 \\ 2210$	1056 1663 2271 2878	1116 1724 2331	1177 1785 2392	
7150		3121						3486			H

İ	No.	C	1	2	3	4	5	6	7	8	9	Diff.	1
	7150 51 52 53 54 55	427 488 548	38 372 75 433 82 494 89 555	3182 9 3789 6 4397 3 5004 0 5611 7 6218	3850 4457 5064 5671	3911 4518 5125 5732	3971 4579 5186 5793	4639 5247 5854	3486 4093 4700 5307 5914 6521	4154 4761 5368 5975	4822 5429 6036		
	56 57 58 59 60	670 731 791 852	03 676- 10 737 17 797- 24 858-	4 6825 1 7432 8 8038 4 8645 1 9252	6885 7492 8099 8706	6946 7553 8160 8766	7007 7614 8220 8827	7067 7674 8281 8888	7128 7735 8342 8948 9555	7189 7796 8402 9009	7249 7856 8463 9070		
	7161 62 63 64 65	855 034 095 155 216	13 040- 50 1010 56 1610 52 2223	1071 1677 3 2283	0525 1131 1738 2344	0586 1192 1798 2404	0646 1253 1859 2465	0707 1313 1919 2526	0161 0768 1374 1980 2586	0828 1435 2041 2647	0889 1495 2101 2707		
	66 67 68 69 70	337 398 458 519	4 343 80 404 86 464 92 525	9 2889 5 3495 1 4101 6 4707 2 5313	3556 4162 4768 5373	3616 4222 4828 5434	3677 4283 4889 5494	3738 4343 4949 5555	3192 3798 4404 5010 5616	3859 4465 5070 5676	4525 5131 5737	61	
	7171 72 73 74 75	640 700 761 821	3 6463 8 7069 4 7674 9 8286	3 5918 3 6524 9 7129 4 7735 9 8340	6584 7190 7795 8401	6645 7250 7856 8461	6706 7311 7916 8522	6766 7372 7977 8582	6221 6827 7432 8037 8643	6887 7493 8098 8703	6948 7553 8159 8764	1 6 2 12 3 18 4 24 5 31 6 37	
	76 77 78 79 80	942 856 003 064 124	9 9496 5 0098 0 0706 4 1308	0761 5 1365	9611 0216 0821 1426	9672 0277 0882 1486	9732 0337 0942 1547	9793 0398 1002 1607	9248 9853 0458 1063 1668	9914 0519 1123 1728	9974 0579 1184 1789	7 43 8 49 9 55	
	7181 82 83 84 85	245 305 366 426	34 2514 39 3113 33 3724 88 4328		2635 3240 3845 4449	2696 3301 3905 4509	2756 3361 3965 4570	2817 3421 4026 4630	2273 2877 3482 4086 4691	2938 3542 4147 4751	2998 3603 4207 4812		
	86 87 88 89 90	547 608 668 728	6 553 31 614 35 674 39 734	3 4993 7 5597 1 6202 6 6806 9 7410	5658 6262 6866 7470	5718 6322 6926 7531	5779 6383 6987 7591	5839 6443 7047 7651	5295 5899 6504 7108 7712	5960 6564 7168 7772	6020 6624 7229 7832		-
	7191 92 93 94 95	849 910 970 85 <b>7</b> 030	07 855 01 916 04 976 08 036		8678 9282 9885 0489	8738 9342 9946 <b>0</b> 549	$\begin{array}{r} 8799 \\ \underline{9402} \\ \overline{0006} \\ 0610 \end{array}$	8859 $9463$ $0067$ $0670$	$\begin{array}{c} \overline{0127} \\ 0730 \end{array}$	$\begin{array}{c} 8980 \\ \underline{9584} \\ \overline{0187} \\ 0791 \end{array}$	$9040 \\ 9644 \\ \hline 0248 \\ 0851$		-
	96 97 98 99 7200	151 211 272	15 1579 18 2179 22 2789	2 1032 5 1636 9 2239 2 2842 5 3446	1696 2299 2903	1756 2360 2963	1817 2420 3023	1877 2480 3084	1334 1937 2541 3144 3747	1998 2601 3204	2058 2661 3265		

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7200 01 02 03 04 05	453 513 573	8 3988 1 4591 4 5194	4049 4652 5255 5858	4109 4712 5315 5918	4169 4772 5375 5978	4833 5436 6038	4290 4893 5496 6099	3747 4350 4953 5556 6159 6762	4411 5014 5616 6219	5074 5677 6280	
06 07 08 09 10	814 875 935	5 7605 8 8208 0 8810 3 9413	8268 8871 9473	7726 8329 8931 9533	7786 8389 8991 9594	7847 8449 9051 9654	7907 8509 9112 9714	7364 7967 8570 9172 9774	8027 8630 9232 9835	8088 8690 9292 9895	
7211 12 13 14 15	858 055 115 176 236	5 0015 7 0617 69 1220 1 1822 3 2424 5 3025	0678 1280 1882 2484	0738 1340 1942 2544	0798 1400 2002 2604	0858 1460 2062 2664	0918 1521 2123 2724	0377 0979 1581 2183 2785 3387	1039 1641 2243 2845	1099 1701 2303	
17 18 19 20 7221	356 416 477	7 3627 9 4229 0 4831 2 5432	3687 4289 4891	3748 4349 4951 5552	3808 4409 5011 5613	3868 4470 5071 5673	3928 4530 5131 5733	3988 4590 5192 5793 6394	4048 4650 5252 5853	4109 4710 5312 5913	60
22 23 24 25 26	657 717 777 837	5 6635 6 7236 7 7837 9 8439 0 9040	6695 7296 7898 8499	6755 7357 7958 8559	6815 7417 8018 8619	6876 7477 8078 8679	6936 7537 8138 8739	6996 7597 8198 8799 9400	7056 7657 8258 8859	7116 7717 8318 8919	1 6 2 12 3 18 4 24 5 30 6 36
27 28 29 30 7231	958 859 018 078 138	1 9641	9701 0302 0902 1503	9761 0362 0962 1563	9821 0422 1023 1623	9881 0482 1083 1683	9941 0542 1143 1743	$     \begin{array}{r}       \hline       0001 \\       0602 \\       1203 \\       1803 \\       2404     \end{array} $	0061 $0662$ $1263$ $1863$	$     \begin{array}{r}       \hline       0121 \\       0722 \\       1323     \end{array} $	7 42 8 48 9 54
32 33 34 35 36	258 318 378 438	4 2644 5 3245 5 3845	2704 3305 3905 4505	2764 3365 3965 4565	2824 3425 4025 4625	2884 3485 4085 4685	2944 3545 4145 4746	3005 3605 4205 4806 5406	3065 3665 4265 4866	3125 3725 4325 4926	
37 38 39 40 7241	558 618 678 738	6 5646 86 6246 86 6846 86 7446	5706 6306 6906 7506	5766 6366 6966 7566	5826 6426 7026 7626	5886 6486 7086 7686	5946 6546 7146 7746	6006 6606 7206 7806 8405	6066 6666 7266 7866	6126 6726 7326 7925	Address of the control of the contro
42 43 44 45 46	858 918 978 860 038	5 8645 5 9245 4 9844	8705 9305 9904 0504	8765 9365 9964 0564	$\begin{array}{c} 8825 \\ \underline{9425} \\ 0024 \\ 0624 \end{array}$	$8885 \\ \underline{9485} \\ 0084 \\ 0684$	8945 $9545$ $0144$ $0744$	9005 9605 0204 0803 1403	$\begin{array}{c} 9065 \\ \underline{9665} \\ 0264 \\ 0863 \end{array}$	$\begin{array}{c} 9125 \\ \underline{9724} \\ 0324 \\ 0923 \end{array}$	
47 48 49 7250	158 218 278	3 1643 2 2242 1 2841 0 3440	1702 2302 2901	1762 2362 2961	1822 2422 3021	1882 2481 3081	1942 2541 3140	2002 2601 3200 3799	$2062 \\ 2661 \\ 3260$	2122 2721 3320	

0	1	2	3	4	5	6	7	8	9	Diff
3979	4039	4099	4159	4219	4279	4338	4398	4458	4518	
5177	5237	5297	5356	5416	5476	5536	5596	5656	5716	
7571	7631	7691	7751	7811	7870	7930	7990	8050	8110	
8768	8828	8888	8947	9007	9067	9127	9187	9247	9306	
			-	-						
1160	1220	1280	1340	1400	1459	1519	1579	1639	1699	
2356	2416	2476	2536	2595	2655	2715	2775	2834		
3552	3611	3671	3731	3791	3850	3910	3970	4030	4089	
4747	4806	4866	4926	4986	5045	5105	5165	5225	5284	
5941	6001	6061	6121	6180	6240	6300	6360			60
7136	7196	7255	7315	7375	7434	7494	7554	7614	7673	2 1 3 1 4 2
8330	8390	8449	8509	8569	8628	8688	8748	8808	8867	5 3 6 3
9524	9583	9643	9703	9762	9822	9882	9941	$\overline{0}\overline{0}\overline{0}\overline{1}$	$\overline{0061}$	8 4 9 5
0717	0777	0837	0896	0956	1016	1075	1135	1194	1254	
										3
					3997	4057	4117	4176	4236	
5488	5547	5607	5666	5726						
7871 8467										
9658	9717	9777	9836	9896	9955	0015	0074	0134	0193	
1443	1503	1562	1622	1682	1741	1801	1860	1920	1979	
	0000	OFFO	2812	0070	0001	2991	0000	0110	0400	
	860 3380 3979 4578 5177 5776 6374 6973 7571 8170 8768 9366 9964 8610562 1160 1758 2356 2954 4747 5344 5941 6539 7733 8330 8927 862 0121 0717 1314 1910 2507 3103 3699 4296 4892 5488 6084 6680 7275 7871 8467 9062 5488 863 0253 0848 1443	860 3380 3440 3979 4039 4578 4638 5177 5237 5776 5835 6374 6434 6973 7033 7571 7631 8170 8229 8768 8828 9964 0024 861 0562 0622 1160 1220 1758 1818 2356 2416 2954 3014 4149 4209 4747 4806 5344 5404 5941 6001 6539 6598 7136 7196 7733 7793 8330 8390 8927 8987 9524 9513 862 0121 0180 0717 0777 1314 1373 1910 1970 2507 2566 3103 3163 3699 3759 4296 4355 4892 4951 5488 5547 6084 6143 6680 673 7275 7335 7871 7931 8467 8526 9062 9122 9658 9717 863 0253 0312 0848 0908 1443 1503	860 3380 3440 3500 3979 4039 4099 4578 4638 4698 5177 5237 5297 5776 5835 5895 6374 6434 6494 6973 7033 7092 7571 7631 7691 8170 8229 8289 8768 8828 8888 9366 9426 9486 9964 0024 0084 861 0562 0622 0682 1160 1220 1280 1758 1818 1878 2356 2416 2476 2954 3014 3073 3552 3611 3671 4149 4209 4269 4747 4806 4866 5344 5404 5464 5941 6001 6061 6539 6598 6658 7136 7196 7255 7733 7793 7852 8330 8390 8449 8927 8987 9046 9524 9583 9643 862 0121 0180 0240 0717 0777 0837 1314 1373 1433 1910 1970 2030 2507 2566 2626 3103 3163 3222 3699 3759 3819 4296 4355 4415 4892 4951 5011 5488 5547 5607 6084 6143 6203 6680 6739 6739 6789 7777 863 0253 0312 0372 0848 0908 0967 1443 1503 1562	860 3380 3440 3500 3560           3979 4039 4099 4159           4578 4638 4698 4758           5177 5237 5297 5356           5776 5835 5895 5955           6374 6434 6494 6554           6973 7033 7092 7152           7571 7631 7691 7751           8170 8229 8289 8349           8768 8282 8888 8947           9366 9426 9486 9546           9964 0024 0084 0144           861 0562 0622 0682 0742           1160 1220 1280 1340           1758 1818 1878 1938           2356 2416 2476 2536           2954 3014 3073 313           3552 3611 3671 3731           4149 4209 4269 4328           4747 4806 4866 4926           5344 5404 5464 5523           5941 6001 6061 6121           6539 6598 6658 6718           7136 7196 7255 7315           7733 7793 7852 7912           8330 8390 8449 8509           8927 8987 9046 9106           9524 9583 9643 9703           862 0121 0180 0240 0300           0717 0777 0837 0896           3134 1373 1433 1493           1910 1970 2030 2089           2507 2566 2626 2686           3103 3163 3222 3282           3699 3759 3819 3878           4296 4355 4415 4474	860 3380 3440 3500 3660 3620 3979 4039 4099 4159 4219 4578 4638 4698 4758 4817 5177 5237 5297 5356 5416 5776 5835 5895 5955 6015 6374 6434 6494 6554 6614 6973 7033 7092 7152 7212 7571 7631 7691 7751 7811 8170 8229 8289 8349 8409 8768 8828 8888 8947 9007 9366 9426 9486 9546 9605 9964 70024 70084 7144 7004 7161 7161 7161 7161 7161 7161 7161 716	860 3380 3440 3500 3560 3620 3680 3979 4039 4099 4159 4219 4279 4578 4638 4698 4758 4817 4877 5177 5237 5297 5356 5416 5476 5776 5835 5895 5955 6015 6075 6374 6434 6494 6554 6614 6673 6973 7033 7092 7152 7212 7272 7571 7631 7691 7751 7811 7870 8170 8229 8289 8349 8409 8469 8768 8828 8888 8947 9007 9067 9366 9426 9486 9546 9605 9665 9964 0024 0084 0144 0204 0263 861 0562 0622 0682 0742 0802 0861 1160 1220 1280 1340 1400 1459 1758 1818 1878 1938 1997 2057 2356 2416 2476 2536 2595 2655 2954 3014 3073 3133 3193 3255 23611 3671 3731 3791 3850 4149 4209 4269 4328 4388 4448 4747 4806 4866 4926 4986 5045 5344 5404 5464 5523 5583 5643 5941 6001 6001 6021 6121 6180 6240 6539 6598 6658 6718 6778 6837 7136 7196 7255 7315 7375 7434 7733 7793 7852 7912 7972 8031 8330 8390 8449 8509 8569 8628 8927 8987 9046 9106 9166 9225 9524 9583 9643 9703 9762 9822 862 0121 0180 0240 0300 0359 0419 0717 0777 0837 0896 0956 1016 1314 1373 1433 1493 1552 1612 1910 1970 2030 2089 2149 2209 22507 2566 2626 2686 2745 2805 3103 3163 3222 3282 3342 3401 3699 3759 3819 3878 3938 3997 4296 4355 4415 4474 4534 4594 4892 4951 5011 5070 5130 5190 5488 5547 5607 5666 5726 5786 6084 6134 6203 6262 6282 6382 6680 6739 6799 6858 6918 6977 7275 7335 7394 7454 7514 7573 7871 7931 7990 8050 8109 8169 8467 8526 8586 8645 8705 8764 9062 9122 9181 9241 9300 9360 9658 9717 9777 9836 9896 9955 8630253 0312 0372 0432 0491 0551 0848 0908 0967 1027 1086 1146 1443 1503 1562 1622 1682 1741	860 3380 3440 3500 3560 3620 3680 3739           3979 4039 4099 4159 4219 4279 4338           4578 4638 4698 4758 4817 4877 4937           5177 5237 5297 5356 5416 5476 5536           5776 5835 5895 5955 6015 6075 6135           6374 6434 6494 6554 6614 6673 6733           6373 7033 7092 7152 7212 7272 7332           7571 7631 7691 7751 7811 7870 7930           8170 8229 8289 8349 8409 8469 8529           8768 8828 8888 8947 9007 9067 9127           9366 9426 9486 9546 9605 9665 9725           9964 0024 0084 0144 0204 0263 0323           861 0562 0622 0682 0742 0802 0861 0921           1160 1220 1280 1340 1400 1459 1519           1758 1818 1878 1938 1997 2057 2117           2356 2416 2476 2536 2595 2655 2715           2954 3014 3073 3133 3193 3253 3313           3552 3611 3671 3731 3791 3850 3910           4149 4209 4269 4328 4388 4448 4508           4747 4806 4866 4926 4986 5045 5105           5344 5404 5464 5523 5583 5643 5703           5941 6001 6061 6121 6121 6180 6240 6300           6539 6598 6658 6718 6778 6837 6897           7136 7196 7255 7315 7375 7434 7494           7733 7793 7852 7912 7972 8031 8091           862 0121 0180 0240 0300 0359 419 0479           0717 0777 0837 0896 0956 1016 1075           1314 1373 1433 1493 1552 1612 1672           1910 1970 2030 2089	860 3380 3440 3500 3560 3620 3680 3739 3739           3979 4039 4099 4159 4219 4279 4338 4398           4578 4638 4698 4758 4817 4877 4937 4997           5177 5237 5297 5356 5416 5476 5536 5596           5776 5835 5895 5955 6015 6075 6135 6195           6374 6434 6494 6554 6614 6673 6733 6793           6973 7033 7092 7152 7212 7272 7332 7392           7571 7631 7691 7751 7811 7870 7930 7990           8170 8229 8299 8349 8449 8469 8529 8588           8768 8828 8888 8947 9007 9067 9127 9187           9964 0024 0084 0144 0204 0263 0323 0383           861 0562 0622 0682 0742 0802 0861 0921 0981           1160 1220 1280 1340 1400 1459 1519 1579           1758 1818 1878 1938 1997 2057 2117 2177           2954 3014 3073 3133 3193 3253 3313 3372           3552 3611 3671 3731 3791 3850 3910 3970           4149 4209 4269 4328 4388 4448 4508 4567           4747 4806 4866 4926 4986 5045 5105 5165           5941 6001 6061 6121 6180 6240 6300 6360           6539 6598 6658 6718 6778 6837 6897 6957           7136 7196 7255 7315 7375 7434 7494 7554           7733 7793 7852 7912 7972 8031 8091 8151           8300 8390 8449 8509 8569 8628 8688 8748           8927 8987 9046 9106 9166 9225 9285 9345           9524 9583 9643 9703 9762 9822 9822 9941           862 0121 0180 0240 0300 0359 0419 0479 04538           0717 7077 0837 0896 0956 1016 1075	860 3380         3440         3500         3560         3620         3680         3739         3799         3859           3979         4039         4099         4159         4219         4279         4338         4398         4458           4578         4638         4698         4758         4817         497         4997         5057           5177         5237         5255         5416         5476         5536         5596         5656           6374         6434         6494         6554         6614         6673         6733         6793         6853           6973         7033         7092         7152         7212         7272         7332         7390         7990         8050           8170         8229         8289         8349         8409         8469         8529         8588         8648           8768         8828         8888         8947         9007         9067         9127         9187         9247           9366         9426         9486         9665         9665         9725         9785         9845           461052         0622         0682         0742         0802 <td< td=""><td>860 3380 3440 \$500 3560 3620 3680 3739 3799 3859 3919           3979 4039 4099 4159 4219 4279 4338 4398 4458 4518           4578 4638 4698 4758 4817 5277 5297 5297 5356 5416 5476 5536 5556 5576 5716           5776 5835 5895 5955 6015 6075 6075 6135 6195 6254 6314           6374 6434 6494 6554 6614 6673 6733 6793 6853 6913           6973 7033 7092 7152 7212 7272 7332 7392 7452 7511           7577 7631 7691 7751 7811 7870 7930 7990 8050 8110           8170 8229 8289 8349 8409 8469 8529 8588 8648 8708           8768 8828 8888 8947 9007 9366 9426 9486 5546 9605 9665 9725 9755 9845 9905           9964 0024 0084 0144 0204 0263 0323 0383 0443 0503           861 0562 0622 0682 0742 0802 0861 0921 0981 1041 1101           1160 1220 1280 1340 1400 1459 1519 1579 1639 1699           2356 2416 2476 2536 2595 2655 2715 2775 2834 2894           2954 3014 3073 3133 3193 3253 3313 3372 3432 3492           2356 2416 2476 2536 2595 56643 5705 5762 5825 5284           544 5404 5464 5523 5583 5643 5703 5762 5822 5882           5941 6001 6061 6121 6180 6240 6300 6360 6419 6479           6539 6598 6658 6718 6718 6778 6837 6897 6957 7016 7076           7733 7793 7852 7912 7972 830         8031 8091 8151 8211 8270           830 8390 8449 8509 8569 8628 8688 8748 8808 8867           8927 8987 9046 9106 9166 9225 9285 9345 9404 9464           9524 9583 9643 9703 9762 9822 9882 9941 0001 0001 0051           1314 1373 1433 1493 1453 1453 1453 145</td></td<>	860 3380 3440 \$500 3560 3620 3680 3739 3799 3859 3919           3979 4039 4099 4159 4219 4279 4338 4398 4458 4518           4578 4638 4698 4758 4817 5277 5297 5297 5356 5416 5476 5536 5556 5576 5716           5776 5835 5895 5955 6015 6075 6075 6135 6195 6254 6314           6374 6434 6494 6554 6614 6673 6733 6793 6853 6913           6973 7033 7092 7152 7212 7272 7332 7392 7452 7511           7577 7631 7691 7751 7811 7870 7930 7990 8050 8110           8170 8229 8289 8349 8409 8469 8529 8588 8648 8708           8768 8828 8888 8947 9007 9366 9426 9486 5546 9605 9665 9725 9755 9845 9905           9964 0024 0084 0144 0204 0263 0323 0383 0443 0503           861 0562 0622 0682 0742 0802 0861 0921 0981 1041 1101           1160 1220 1280 1340 1400 1459 1519 1579 1639 1699           2356 2416 2476 2536 2595 2655 2715 2775 2834 2894           2954 3014 3073 3133 3193 3253 3313 3372 3432 3492           2356 2416 2476 2536 2595 56643 5705 5762 5825 5284           544 5404 5464 5523 5583 5643 5703 5762 5822 5882           5941 6001 6061 6121 6180 6240 6300 6360 6419 6479           6539 6598 6658 6718 6718 6778 6837 6897 6957 7016 7076           7733 7793 7852 7912 7972 830         8031 8091 8151 8211 8270           830 8390 8449 8509 8569 8628 8688 8748 8808 8867           8927 8987 9046 9106 9166 9225 9285 9345 9404 9464           9524 9583 9643 9703 9762 9822 9882 9941 0001 0001 0051           1314 1373 1433 1493 1453 1453 1453 145

No.	0	- 1	2	3	4	5	6	7	8	9	Diff.
7300 01 02 03 04 05	4418 5013 5608	3883 4478	3942 4537 5132 5727	4002 4597 5191 5786	4656 5251	4121 4716 5310 5905	5370		5489	4954 5548 6143	
06 07 08 09 10	7391 7985 8580	6856 7451 8045 8639 9233	7510 8104 8698	7569 8164 8758	8223 8817	7688 8283 8877	7748 8342 8936	7213 7807 8401 8996 9590	7867 8461 9055	8520 9114	
7311 12 13 14 15	864 0362 0956 1550	9827 0421 1015 1609 2203	$0481 \\ 1075 \\ 1668$	$\begin{array}{c} 1134 \\ 1728 \end{array}$	0599	0659 1253 1846	0718 1312 1906	0184 0778 1371 1965 2559	0837 1431 2025	0896 1490 2084	
16 17 18 19 20	3924 4517	3390 3983	3449 4043 4636	4102 4695	3568 4161 4755	3627 $4221$ $4814$	3687 4280 4873	3152 3746 4339 4933 5526	3805 4399 4992	3865 4458	59
7321 22 23 24 25	6297 6890 7483	5763 6357 6950 7543 8136	6416 7009 7602	$\begin{array}{c} 7068 \\ 7661 \end{array}$	$7128 \\ 7721$	6594 7187 7780	6653 7246 7839		6772 7365 7958	7424 8017	1 6 2 12 3 18 4 24 5 30
26 27 28 29 30	$\begin{array}{r} 9262 \\ 9855 \\ 8650447 \end{array}$	8728 9321 9914 0506 1099	9380 9973 0566	$\begin{array}{c} 9440 \\ \hline 0032 \\ 0625 \end{array}$	$\frac{9499}{0092}$	$\frac{9558}{0151}$ 0743	$\frac{9618}{0210}$	$\begin{array}{c} 9084 \\ \underline{9677} \\ 0269 \\ 0862 \\ 1454 \end{array}$	$\frac{9736}{0329}$ 0921	$\frac{9795}{0388}$ $0980$	6 35 7 41 8 47 9 53
7331 32 33 34 35	2225 2817 3409	2876	2343 2935 3527	2402 2995 3587	2461 3054	2521 $3113$ $3705$	$\begin{array}{c} 2580 \\ 3172 \end{array}$	2047 2639 3231 3824 4416	3291	2758 3350	
36 37 38 39 40	5777 6369	5244 5836	5304 5895 6487	5955 6546	5422 6014 6606	5481 6073 6665	5540 6132 6724	5008 5600 6191 6783 7375	5659 6251 6842	5718 6310	
7341 42 43 44 45	8144 8735 9327		8262 8854 9445	8321 8913 9504	8380 8972	8440 9031 9622	8499 9090	$7966 \\ 8558 \\ 9149 \\ \underline{9741} \\ 0332$	8617 9208	8676 9268 9859	
46 47 48 49 7350	1691 2282	0568 1160 1751 2342 2932	1219 1810 2401	1278 1869 2460	1337 1928 2519	1396 1987 2578	1455 2046 2637	0923 1514 2105 2696 3287	1573 2164 2755	2814	

0	1	2	3	4	5	6	7	8	9	Diff.
3464 4055	3523 4114	3582 4173	3641 4232	3701 4291	3760 4350	3819 4409	3878 4468	3937 4528	3996 4587	
5236 5827 6417	5295 5886	5354 5945	5413 6004	5472	5532 6122	5591 6181	5650 6240	5709 6299	5768 6358	
8188	7657 8247	7716 8306	7775 8365	7244 7834 8424 9014	7893 8483	7952 8542	8011 8601	8070 8660	8129 8719	
9958 867 0548	0017 $0607$ $1197$	$\begin{array}{c} \overline{0076} \\ 0666 \\ 1256 \end{array}$	$0135 \\ 0725 \\ 1315$	0784	$0253 \\ 0843 \\ 1433$	$ \begin{array}{c} \overline{0312} \\ 0902 \\ 1492 \end{array} $	$\begin{array}{c} \overline{0371} \\ 0961 \\ 1551 \end{array}$	$0430 \\ 1020 \\ 1610$	$ \begin{array}{r} \overline{0489} \\ 1079 \\ 1669 \end{array} $	
2907 3496 4086	2966 3555 4145	3025 3614 4203	$3084 \\ 3673 \\ 4262$	3142 3732 4321	3201 3791 4380	3260 3850 4439	3319 3909 4498	3378 3968 4557	3437 4027 4616	59
5853 6442 7031	5912 6501 7090	5971	6030	6089	6148 6737	6207 6796 7385	6266 6855 7444	$\begin{array}{c} 6325 \\ 6914 \end{array}$	6972	1 6 2 12 3 18 4 24 5 30
8798 9387 9975	$\begin{array}{r} 8857 \\ \underline{9445} \\ 0034 \end{array}$	$\begin{array}{c} 8916 \\ \underline{9504} \\ 0093 \end{array}$	$\begin{array}{c} 8974 \\ \underline{9563} \\ \overline{0152} \end{array}$	$\begin{array}{c} 8445 \\ 9033 \\ \underline{9622} \\ 0211 \\ 0799 \end{array}$	9092 $9681$ $0269$	$\begin{array}{c} 9151 \\ \underline{9740} \\ 0328 \end{array}$	$9210 \\ 9799 \\ \hline 0387$	$\begin{array}{c} 9269 \\ 9857 \\ \hline 0446 \end{array}$	$\frac{9916}{0505}$	6 35 7 41 8 47 9 53
1740 2329 2917 3505	1799 2388 2976 3564	1858 2446 3035 3623	1917 2505 3093 3681	1387 1976 2564 3152 3740	2035 2623 3211	2093 2682 3270	2152 2740 3329	2211 2799 3387	2270	
4681 5269 5857	4740 5328 5915	4799 5386 5974	4857 5445 6033	4916 5504	4975 5563 6151	5034 5622 6209	5093 5680 6268	5151 5739 6327	5210 5798 6386	
7620 8207 8794	7678 8266 8853	7737 8325 8912	7208 7796 8383 8971 9558	7267 7855 8442 9029 9617	7913 8501 9088	7972 8560 9147	8031 8618 9206	8090 8677 9264	8148	
869 0556 1143 1730	$0615 \\ 1202 \\ 1789$	$0674 \\ 1261 \\ 1848$	0732 1319 1906	0791 1378 1965	0850 1437 2024	0908 1495 2082	0967 $1554$ $2141$	1026 1613 2200	1085 1672 2259	
	866 2873 3464 4055 4646 5236 5236 5236 5827 6417 7008 7598 8188 8778 9368 9958 867 0548 1138 1729 2317 2907 3496 4086 4675 5264 5853 6442 7031 7620 8209 8209 8387 9975 868 0564 1152 1740 2329 2917 3505 4093 4681 5269 5857 6444 7032 7620 8207 8794 9382 9669 869 0556 1143 1730	866 2873 2932 3464 3523 4055 4114 4646 4705 5236 5295 5827 5886 6417 6476 7008 7067 7598 7657 8188 8247 8778 8837 9368 9427 9958 0017 867 0548 0607 1138 1197 1728 1786 2317 2376 2907 2966 3496 3555 4086 4145 4675 4734 5264 5323 5853 5912 6442 6501 7031 7090 7620 7679 8209 8268 8299 8268 8299 8268 8299 8268 8299 8268 8299 8268 8299 8268 82917 2976 3505 3564 4093 415 1740 1799 2329 2388 2917 2976 3505 3564 4093 417 409 417 409 417 409 417 409 417 409 417 409 417 409 417 409 417 409 417 409 417 409 417 409 417 409 417 409 418 409 4	866 2873         2932 2992           3464         3523 3582           4055         4114 4173           4646         4705 4764           5236         5295 5354           5827         5886           5987         667 7126           7598         7667 7716           8188         8247 8366           8778         8837 8896           9368         9427 9486           9958         6007           670548         0607 0666           1138         1197 1256           1728         1786 1845           2317         2376 2435           2907         2966 3025           3496         3555 3614           4086 4145 4203           4675 4734 4793           5264 5323 5382           5853 5912 5971           6442 6501 6560           7031 7090 7149           7620 7679 7738           8209 8268 8327           8798 8857 8916           9387 9445 9504           9975 0034 0093           868 0564 0622 0681           1152 1211 1270           1740 1799 1858           2329 2388 2446           2917 2976 3035      <	866 2873         2932         2992         3051           3464         3523         3582         3641           4055         4114         4173         4232           4646         4705         4764         4823           5236         5295         5354         5413           5827         5886         5945         6004           6417         6476         6535         6594           7008         7067         7126         7185           7598         7657         7716         7775           8188         8247         8306         8365           8778         8837         8896         8955           9368         9427         9486         9545           9958         70017         7076         0135           867 0548         6067         0666         0725           1138         1197         1256         1315           1728         1786         1845         1904           2317         2376         2435         2494           2907         2966         3025         3084           3496         3555         3614         3673	866 2873         2932         2992         3051         3110           3464         3523         3582         3641         3701           4055         4114         4173         4232         4291           4646         4705         4764         4823         4882           5236         5295         5354         5413         5472           5827         5886         5945         6004         6063           6417         6476         6535         6594         6653           7008         7067         7126         7185         7244           7598         7657         7716         7775         7834           8188         8247         8306         8365         8424           8778         8837         8896         8955         9014           9368         9427         9486         9545         9604           9958         9007         9066         0725         0784           1138         1197         1256         1315         1374           1728         1786         1845         1904         1963           2317         2376         2435         2494	866 2873         2932         2992         3051         3110         3169           3464         3523         3582         3641         3701         3760           4055         4114         4173         4232         4291         4350           4646         4705         4764         4823         4882         4941           5236         5295         5354         5413         5472         5532           5827         5886         5945         6004         6063         6122           6417         6476         6535         6594         6653         6712           7008         7067         7126         7185         7244         7303           7598         7657         7716         7775         7884         7893           8188         8247         8306         8365         8424         4883           8778         8837         8896         8955         9014         9073           9368         9427         9486         9545         9604         9663           958         7017         7076         0135         0194         0253           867054         0667         0725	866 2873       2932       2992       3051       3110       3169       3228         3464       3523       3582       3641       3701       3760       3819         4055       4114       4173       4232       4291       4350       4409         4646       4705       4764       4823       4882       4941       5000         5236       5295       5354       5413       5472       5532       5591         5827       5886       5945       6004       6063       6122       6181         6417       6476       6535       6594       6653       6712       6771         7008       7067       7126       7185       7244       7303       7362         7598       7657       7716       7775       7834       7893       7952         8188       8247       8306       8365       8424       8483       8422         8778       8837       8896       8955       9014       9073       9132         958       9017       9076       0135       0194       9663       9722         9958       9017       9076       0135       0194       9663	866 2873         2932         2992         3051         3110         3169         3228         3287           3464         3523         3582         3641         3701         3760         3819         3878           4055         4114         4173         4232         4291         4350         4409         4468           4646         4705         4764         4823         4882         4941         5000         5059           5236         5295         5354         5413         5472         5532         5591         5650           5827         5886         5945         6004         6063         6122         6181         6240           6417         6476         6535         6594         6653         6712         6771         6830           7008         7067         7126         7175         7834         7893         7922         9711           8188         8247         8306         8365         8424         8483         8542         8601           8778         8837         8896         8955         9014         9073         9132         9191           9368         9427         9486         954	866 2878 2932 2992 3051 3110         3169 3228 3887 3346           3464 3523 3582 3641 3701         3760 3819 3878 3937           4055 4114 4173 4232 4291         4350 4409 4468 4528           4646 4705 4764 4823 4882         4941 5000 5059 518           5236 5295 5354 5413 5472 5532 5591 5650 5709           5827 5886 5945 6004 6063 6122 6181 6240 6299           6417 6476 6535 6594 6653 6712 6717 6830 6889           7008 7067 7126 7185 7244 7303 7362 7421 7480           7598 7657 7716 7775 7834 7893 7952 8011 8070           8188 8247 8306 8365 8424 8488 8542 8601 8660           8778 8837 8896 8955 9014 9073 9132 9191 9250           9368 9427 9486 9545 9604 9663 9722 9781 9840           9958 0017 0076 0135 0194 0253 0312 0371 0430           867 0548 0607 0666 0725 0784 0843 0902 0961 1020           1188 1197 1256 1315 1374 1433 1492 1551 1610           1728 1786 1845 1904 1963 2022 2081 2140 2199           2317 2376 2435 2494 2553 2612 2671 2730 2789           2907 2966 3025 3084 3142 3201 3260 3319 3378           3496 3555 3614 3673 3732 3791 3850 3909 3968           4086 4145 4203 4262 4321 4380 4439 4498 4557           4675 4734 4793 4852 4911 4970 5028 5087 5146           5264 5323 5382 541 5500 5559 5618 5677 5735           5853 5912 5971 6030 6089 6148 6207 6266 6325           6442 6501 6560 6619 6678 6737 6796 6855 6914           7031	866 2873         2932         2992         3051         3110         3169         3228         3287         3346         3405           3464         3523         3582         3641         3701         3760         3819         3878         3937         3996           4055         4114         4173         4232         4291         4350         4409         4468         4528         4587           4064         4705         4764         4823         4882         4041         5000         5059         5118         5117           5236         5295         5354         5413         5472         5532         5591         5650         5709         5768           6417         6476         6535         6594         6653         6712         6771         6830         6889         6949           7008         7067         7126         7185         7244         7303         7362         7421         7480         7539           8188         8247         8306         8859         8942         4833         5422         8011         8070         8089           935         9017         9076         9135         9014 <t< td=""></t<>

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7400 01 02 03 04 05	3491 4077 4664	2376 2963 3549 4136 4723 5309	3021 3608 4195 4781	3080 3667 4253 4840	3139 3725 4312 4899	3197 3784 4371 4957	3843 4429 5016	2728 3315 3901 4488 5075 5661	3960 4547 5133	3432 4019 4605 5192	
06 07 08 09 10 7411	6423 7010 7596 8182	5896 6482 7068 7655 8241 8827	6541 7127 7713 8299	6599 7186 7772 8358	6658 7244 7830 8417	6717 7303 7889 8475	6775 7361 7948 8534	6248 6834 7420 8006 8592 9178	6892 7479 8065 8651	6951 7537 8123 8710	
12 13 14 15	9354 9940 870 0526 1112	9413 9999	$\begin{array}{r} 9471 \\ \hline 0057 \\ 0643 \\ 1229 \end{array}$	$\begin{array}{c} 9530 \\ \hline 0116 \\ 0702 \\ 1287 \end{array}$	$\begin{array}{c} 9588 \\ \hline 0174 \\ 0760 \\ 1346 \end{array}$	$\begin{array}{r} 9647 \\ \hline 0233 \\ 0819 \\ 1404 \end{array}$	$\begin{array}{c} 9706 \\ \hline 0292 \\ 0877 \\ 1463 \end{array}$	$\begin{array}{r} 9764 \\ \hline 0350 \\ 0936 \end{array}$	9823 $0409$ $0994$ $1580$	$\begin{array}{r} 9881 \\ \hline 0467 \\ 1053 \\ 1639 \end{array}$	
16 17 18 19 20	2283 2868 3454 4039	2341 2927 3512 4098	2400 2985 3571 4156	2458 3044 3629 4215	2517 3102 3688 4273	2576 3161 3746 4332	2634 3220 3805 4390	2693 3278 3863 4449	2751 3337 3922 4507	2810 3395 3981 4566	59
7421 22 23 24 25	5210 5795 6380 6965	4683 5268 5853 6438 7023	5327 5912 6497 7082	5385 5970 6555 7140	5444 6029 6614 7199	5502 6087 6672 7257	5561 6146 6731 7316	5034 5619 6204 6789 7374	5678 6263 6848 7432	5736 6321 6906 7491	1 6 2 12 3 18 4 24 5 30 6 35
26 27 28 29 30	8134 8719 9304 9888	7608 8193 8777 9362 9947	$\begin{array}{c} 8251 \\ 8836 \\ \underline{9421} \\ \overline{0005} \end{array}$	$8310 \\ 8894 \\ \underline{9479} \\ 0063$	$\begin{array}{c} 8368 \\ 8953 \\ \underline{9537} \\ \overline{0122} \end{array}$	$\begin{array}{r} 8427 \\ 9011 \\ \underline{9596} \\ \overline{0180} \end{array}$	$8485 \\ 9070 \\ \underline{9654} \\ 0239$	7959 $8544$ $9128$ $9713$ $0297$	$\begin{array}{c} 8602 \\ 9187 \\ \underline{9771} \\ 0356 \end{array}$	$\begin{array}{c} 8660 \\ 9245 \\ \underline{9830} \\ 0414 \end{array}$	7 41 8 47 9 53
7431 32 33 34 35	1641 2226 2810	1115 1700 2284 2868	1174 1758 2342 2927	1232 1817 2401 2985	1291 1875 2459 3043	1349 1933 2518 3102	1408 1992 2576 3160	0882 1466 2050 2634 3219	2109 2693 3277	1583 2167 2751 3335	
36 37 38 39 40	3978 4562 5146 5729	3452 4036 4620 5204 5788	4095 4679 5262 5846	4153 4737 5321 5904	4211 4795 5379 5963	4270 4854 5437 6021	4328 4912 5496 6080	3803 4387 4970 5554 6138	4445 5029 5613 6196	4503 5087 5671 6255	
7441 42 43 44 45	6897 7480 8064 8647	6371 6955 7539 8122 8705	7013 7597 8180 8764	7072 7655 8239 8822	7130 7714 8297 8880	7188 7772 8355 8939	7247 7830 8414 8997	6722 7305 7889 8472 9055	7363 7947 8530 9114	7422 8005 8589 9172	
46 47 48 49 7450	9814 872 0397 0980		9930 0513 1096	9988 0572 1155	0047 $0630$ $1213$	$0105 \\ 0688 \\ 1271$	0163 $0747$ $1330$	$\begin{array}{c} 9639 \\ \hline 0222 \\ 0805 \\ 1388 \\ 1971 \end{array}$	$0280 \\ 0863 \\ 1446$	0338 $0921$ $1504$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
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56 57 58 59 60	5641 6224 6806	5117 5700 6282 6864 7446	5758 6340 6923		5874	5933 6515 7097	5408 5991 6573 7155 7738		5525 6107 6690 7272 7854	6166	
7461 62 63 64 65	9716 8 <b>73</b> 0298	8611 9193 9774 0356	9833 0414	9309 9891 0473	9949 0531	$\begin{array}{c} 8843 \\ \underline{9425} \\ \overline{0007} \\ 0589 \end{array}$	$8320 \\ 8902 \\ \underline{9484} \\ 0065 \\ 0647$	$\begin{array}{c} 9542 \\ \hline 0124 \\ 0705 \end{array}$	$\begin{array}{c} 9018 \\ \underline{9600} \\ 0182 \\ 0764 \end{array}$	$\begin{array}{c} 9658 \\ \hline 0240 \\ 0822 \end{array}$	
66 67 68 69 70	1462 2043 2625 3206	3264	1578 2159 2741 3322	1054 1636 2218 2799 3380	1694 2276 2857 3439	1752 2334 2915 3497	2392 2973 3555	1869 2450 3032 3613	3671	1985 2566 3148 3729	58
7471 72 73 74 75	4950 5531 6112	4427 5008 5589 6170	5066 5647 6228	4543 5124 5705 6286	5182 5763 6344	4659 5240 5821 6402	4136 4717 5298 5880 6461	6519	4834 5415 5996 6577	4892 5473 6054 6635	1 6 2 12 3 17 4 23 5 29 6 35
76 77 78 79 80	7274 7855 8435 9016	7913 8493 9074	7390 7971 8551 9132	7448 8029 8610 9190	8087 8668 9248	7564 8145 8726 9306	8203 8784 9364	7680 8261 8842 9422	8319 8900 9480	8377 8958 9538	7 41 8 46 9 52
7481 82 83 84 85	874 0177 0757 1338 1918	0815 1396 1976	$\begin{array}{c} 0293 \\ 0874 \\ 1454 \\ 2034 \end{array}$	0351 0932 1512 2092	0409 0990 1570 2150	0467 1048 1628 2208	0525 1106 1686 2266	2324	0641 1222 1802 2382	0699 1280 1860 2440	
86 87 88 89 90	3658 4238 4818	3136 3716 4296 4876	3774 4354 4934	3252 3832 4412 4992	3890 4470 5050	3368 3948 4528 5108	3426 4006 4586 5166		3542 4122 4702 5282	4180 4760 5340	
7491 92 93 94 95	5978 6557 7137 7716	6615 7195 7774	6094 6673 7253 7832	6152 6731 7311 7890	7369 7948	6268 6847 7427 8006	6905 7485 8064		6441 7021 7600 8180	7658 8238	
96 97 98 99 7500	8875 9454 875 0034	8354 8933 9512 0091 0671	8991 9570 0149	9628 0207	9107 9686 0265	9165 9744 0323	9223 9802 0381	8701 9281 9860 0439 1018	9339 9918 0497	9396 9976 0555	

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No.		0	1	2	3	4	5	6	7	8	9	Diff.
7500 01 02 03 04 05		1192 1771 2349 2928	0671 1250 1828 2407 2986 3565	1307 1886 2465 3044	1365 1944 2523 3102	1423 2002 2581 3160	2060 2639 3218	1539 2118 2697 3275	1018 1597 2176 2755 3333 3912	1655 2234 2813 3391	2292 2870 3449	
06 07 08 09 10		4664 5243 5821	4143 4722 5300 5879 6457	4780 5358 5937	4838 5416 5995	4896 5474 6052	4953 5532 6110	5011 5590 6168	4491 5069 5648 6226 6804	5127 5705 6284	5185 5763 6342	
7511 12 13 14 15		8134 8712	7035 7614 8192 8770 9348	8249 8828	8307 8885	7787 8365	8423 9001	7903 8481 9059	7382 7960 8539 9116 9694	8018 8596 9174	8076 8654 9232	
16 17 18 19 20	876	0446 1023 1601	9925 0503 1081 1659 2236	0561 1139 1716	0619 1197 1774	0677 $1254$ $1832$	0734 1312 1890	0792 $1370$ $1947$	$     \begin{array}{r}       \hline       0272 \\       0850 \\       1428 \\       2005 \\       2583     \end{array} $	0908 1485 2063	0965 1543 2121	58
7521 22 23 24 25		3911 4488	2814 3391 3968 4546 5123	3449 4026 4603	4084 4661	3564 4142 4719	3622 4199 4776	4257 4834	3160 3737 4315 4892 5469	3795 4372 4950	4430 5007	1 6 2 12 3 17 4 23 5 29
26 27 28 29 30		6219 $6796$ $7373$	5700 6277 6854 7431 8007	6335 6911 7488	6392 6969 7546	6450 7027 7604	6508 7085 7661	6565 7142 7719	6046 6623 7200 7777 8353	6681 7258 7834	6738 7315 7892	6 35 7 41 8 46 9 52
7531 32 33 34 35	877	$\begin{array}{c} 9103 \\ 9680 \end{array}$	8584 9161 9737 0314 0890	9218 9795 0371	$9276 \\ 9853 \\ 0429$	9910	9391 9968 0544	$\begin{array}{c} 9449 \\ \hline 0026 \\ 0602 \end{array}$	$\begin{array}{c} 8930 \\ \underline{9507} \\ 0083 \\ 0660 \\ 1236 \end{array}$	$\frac{9564}{0141}$	$\begin{array}{c} 9622 \\ \hline 0199 \\ 0775 \end{array}$	
36 37 38 39 40		1985 2561 3137	1467 2043 2619 3195 3771	$2100 \\ 2677 \\ 3253$	2158 2734 3310	2216 2792 3368	2273 2849 3425	$\frac{2331}{2907}$	1812 2388 2965 3541 4117	2446 3022	2504 3080 3656	
7541 42 43 44 45	-	$\begin{array}{c} 4865 \\ 5441 \end{array}$	4347 4923 5499 6074 6650	4980 5556 6132	$5038 \\ 5614$	5096 5671 6247	5153 5729 6305	5211 5787	4693 5268 5844 6420 6995	$\begin{array}{c} 5326 \\ 5902 \end{array}$	5384 5959	
46 47 48 49 7550		7743 8319 8894	7226 7801 8376 8952 9527	7859 8434 9009	7916 8492	7974 8549 9124	8031 8607 9182	8089 8664 9239	7571 8146 8722 9297 9872	8204 8779 9354	7686 8261 8837 9412	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.	
7550	877 9470	9527	9585	9642	9700	9757	9815	9872	9930	9987		ı
51	878 0045			0217		0332		0447				ı
52		0677					0965		1080			ı
53 54				1367	1425		1540		1655			ı
55	2345	$1827 \\ 2402$		1942	2000		2115		2230 2805			H
				2517	2575	2632	2690					1
56	2919	2977	3034		3149		3264	3322	3379			ı
57 58		3552 4126		$\frac{3667}{4241}$	3724 4299		3839	3896	3954			۱
59		4701		4816		4931			5103			ı
60		5275	5333		5448			5620				ı
7561	5792	5850	5907				6137	6194		6309		ı
62		6424					6711	6769				۱
63	6941	6998		7113	7171		7286	7343	7400			ı
64	7515	7573	7630	7687	7745		7860	7917	7975	8032		ı
65	8089	8147	8204	8262	8319	8376	8434	8491	8549	8606	i	I
66	8663	8721	8778	8836	8893	8950	9008	9065	9123	9180		ı
67		9295			9467		9582		9696	9754	-	ı
68		9869						0213				ı
69	879 0385							0787				ı
70		1016			1188			1360		1475	57	ı
7571		1590			1762		1877	1934			1	5
$\begin{bmatrix} 72 \\ 73 \end{bmatrix}$		$\frac{2163}{2737}$			2335			2508			2 1	
74		3310					3597	3081 3654		3769	3 1	
75		3884			4056		4170	4228	4285	4342	5 2	
76		4457			4629		4744	4801		4916	6 3	4
77		5030						5374			7 4	
78		5603						5947			9 5	
79	6119	6176	6234	6291	6348	6406	6463	6520	6577	6635		1
80	6692	6749	6807	6864	6921	6979	7036	7093	7150	7208		ı
7581	7265	7322	7380	7437	7494	7551	7609	7666	7723	7781		
82	7838		7952					8239				
83		8468						8811				
84	8983	9041 9613	9098				9327		$\frac{9441}{0014}$		1	
85					9785		9899	9957		0071		
86	880 0128	$0186 \\ 0758$			0357		0472					
87 88		1330						$\frac{1102}{1674}$				
89	1846		1960					2246				
90		2475						2818				ı
7591	2990	3047	3104	3162	3219	3276	3333	3390	3448	3505		
92		3619						3962				
93		4191						4534				
94		4763						5106				
95	5278	5335	5392	5449	5507	5564	5621	5678	5735	5792		
96		5907						6250				
97	6421		6536			6707		6821				
98	6993		7107		7222	7279						
7600		$7622 \\ 8193$		7736	7793		7907	7964 8536	8022		1	
1000	0130	0100	0200	0001	0004	0422	0419	0000	0000	8000	1	

1	27	0	-	0	0		-	-	-	_	0	Die	7
	No.	0	1	2	3	4	5	6	7	8	9	Diff	
	7600 01 02 03 04 05	9279	8764 9336 9907	8822 9393 9964 0535	$\begin{array}{c} 9450 \\ \hline 0021 \\ 0592 \end{array}$	$\begin{array}{c} 8936 \\ \underline{9507} \\ 0078 \end{array}$		$\begin{array}{c} 9050 \\ \underline{9621} \\ \overline{0193} \end{array}$	9107	$\frac{9736}{0307}$	$\begin{array}{c} 9222 \\ \underline{9793} \\ \hline 0364 \\ 0935 \end{array}$		-
	06 07 08 09 10	1563 2134 2705	1620 2191 2762 3333	1677 2248 2819	1735 2305 2876	1792 2363 2933	1849 2420 2990 3561	1906 2477 3048	1963 2534 3105 3675	$2020 \\ 2591 \\ 3162$	2077 2648 3219 3789		The second second second second
	7611 12 13 14 15	4417 4988 5558 6129 6699	5615	5102 5672 6243	5159 5729	5786	5273 5844 6414	5330 5901	4817 5387 5958 6528 7098		$\begin{array}{c} 5501 \\ 6072 \end{array}$		
	16 17 18 19 20	7840 8410 8980	7326 7897 8467 9037 9607	7954 8524 9094	8581 9151	8068 8638 9208	8125 8695 9265	8182 8752	7669 8239 8809 9379 9949	8866	8923	57	
	7621 22 23 24 25	1259 1829	0177 0746 1316 1886 2455	0803 1373 1943	0860 1430	0917 1487	0974 $1544$ $2114$	1031 1601 2171	0519 1088 1658 2228 2797	$\begin{array}{c} 1715 \\ 2285 \end{array}$	2342	1 6 2 11 3 17 4 23 5 29	7 3 9
	26 27 28 29 30	3537 4107 4676		3651 4221 4790	3708 4278 4847	4335 4904	4392 4961	3879 4448 5018	3367 3936 4505 5075 5644	$\begin{array}{c} 4562 \\ 5132 \end{array}$	4050 4619 5188	6 34 7 40 8 46 9 51	6
	7631 32 33 34 35	6384 6953 7522	5871 6441 7010 7578 8147	6497 7066 7635	6554 $7123$ $7692$	6042 6611 7180 7749 8318	6668 7237 7806	6725 7294 7863	6213 6782 7351 7920 8489	6839 7408	6896 7465 8034		the special distribution of the special distribution of
	36 37 38 39 40	9228 9797 883 0365		9342 9910 0479	9399 9967	$\begin{array}{c} \overline{0024} \\ 0593 \end{array}$	$\begin{array}{r} 9512 \\ \hline 0081 \\ 0649 \end{array}$	$\begin{array}{c} 9569 \\ \hline 0138 \\ 0706 \end{array}$	$\begin{array}{c} 9057 \\ \underline{9626} \\ \overline{0195} \\ 0763 \\ 1331 \end{array}$	$\begin{array}{c} 9683 \\ \hline 0251 \\ 0820 \end{array}$	$\begin{array}{c} 9740 \\ \hline 0308 \\ 0877 \end{array}$		
	7641 42 43 44 45	2070		2184	2809	2298 2866	$2354 \\ 2923$	$\begin{array}{c} 2411 \\ 2980 \end{array}$	1900 2468 3036 3604 4173	$\begin{array}{c} 2525 \\ 3093 \end{array}$	$\begin{array}{c} 2582 \\ 3150 \end{array}$		The state of the state of the state of
	46 47 48 49 7650	4911 5479 6047	4400 4968 5536 6103 6671	5024 5592 6160	5081 5649 6217	5138 5706 6274	5195 5763 6330	5252 5819 6387	4741 5308 5876 6444 7012	5933 6501	5422 5990 6558		

No.	0	1	2	3	4	5	6	7 .	8	9	Diff.
7650 51 52 53 54 55	7750 8317	7239 7806 8374 8941	6728 7296 7863 8431 8998 9565	7352 7920 8487 9055	7977 8544	7466 8033 8601 9168	7523 8090	7012 7579 8147 8714 9282 9849	7636 8204 8771 9338	7693 8260 8828 9395	
56 57 58 59 60	1154 1721	0643 $1210$ $1777$	0133 0700 1267 1834 2401	$0757 \\ 1324 \\ 1891$	0813 1380 1948	0870 1437 2004	0927 1494 2061	0416 0983 1551 2118 2685	1040 1607 2174	1097 1664 2231	
7661 62 63 64 65	3988 4555	3478 4045 4612	2968 3535 4102 4668 5235	3592 $4158$ $4725$	3081 3648 4215 4782 5348	3705 4272 4838	4328	3251 3818 4385 4952 5518	$\begin{array}{c} 3875 \\ 4442 \end{array}$	4498	
66 67 68 69 70	6255 6821 7387	6311 6878	5801 6368 6934 7501 8067	$6425 \\ 6991$	6481 7048 7614	6538 7104	6594 7161 7727	6085 6651 7217 7784 8350	6708 7274 7840	6764 7331	57
7671 72 73 74 75	9086 9652 885 0218	9143 9709 0275	8633 9199 9765 0331 0897	9256 9822 0388	9312 9878	9369 9935	9426 9992 0557	$\begin{array}{c} 8916 \\ \underline{9482} \\ \overline{0048} \\ 0614 \\ 1180 \end{array}$	$\begin{array}{c} 9539 \\ \hline 0105 \\ 0671 \end{array}$	$\overline{0161}$	1 6 2 11 3 17 4 23 5 29
76 77 78 79 80	1915 2481	1972 2538 3103	1463 2029 2594 3160 3725	$2085 \\ 2651 \\ 3216$	2707	2198 2764 3329	$\begin{array}{c} 2820 \\ 3386 \end{array}$	2311	2368 2934 3499	2425 2990 3556	6 34 7 40 8 46 9 51
7681 82 83 84 85	4743 5308 5874	4800		4913		6156	5082 5647 6213	5139	$\begin{array}{c} 5761 \\ 6326 \end{array}$	5252 5817 6382	
86 87 88 89 90	7569 8134 8699	8755	7682 8247	7173 7738 8303 8868 9433	8360 8925	8416 8981	7908 8473 9037	7399 7964 8529 9094 9659	8021 8586 9150	8077 8642 9207	
7691 92 93 94 95	886 0393 0957 1522	0449 1014	$\begin{array}{c} 1070 \\ 1635 \end{array}$	$\begin{array}{c} 0562 \\ 1127 \end{array}$		$0675 \\ 1240 \\ 1804$	0732 1296 1860	$     \begin{array}{r}       0223 \\       0788 \\       1352 \\       1917 \\       2481     \end{array} $	0844 1409 1973	0901 1465 2030	
96 97 98 99 7700	3215 3779 4343	$3271 \\ 3835 \\ 4400$	2763 3328 3892 4456 5020	3384 3948 4512	3441 4005 4569	3497 4061 4625	3553 4118 4682	3046 3610 4174 4738 5302	3666 4230 4794	3723 4287 4851	

No.	0	•1	2	3	4	5	6	7	8	9	Diff.
7700 01 02 03 04 05	6035 6599 7163	4964 5528 6092 6655 7219 7783	$6148 \\ 6712 \\ 7275$	5640	6261	6317 6881 7445	5810 6373 6937 7501	5302 5866 6430 6994 7557 8121	5922 6486 7050	6543 7106 7670	
06 07 08 09 10	8854 9417	$\begin{array}{c} 8346 \\ 8910 \\ \underline{9473} \\ 0037 \\ 0600 \end{array}$	$\frac{8966}{9530} \\ \hline 0093$	$\begin{array}{c} 9023 \\ \underline{9586} \\ \overline{0149} \end{array}$	$\begin{array}{c} 9079 \\ \underline{9642} \\ 0206 \end{array}$	$\begin{array}{c} 9135 \\ \underline{9699} \\ 0262 \end{array}$	$\begin{array}{c} 9192 \\ \underline{9755} \\ \overline{0318} \end{array}$	$\begin{array}{c} 8685 \\ 9248 \\ 9811 \\ \hline 0375 \\ 0938 \end{array}$	$9304 \\ 9868 \\ \hline 0431$	$9361 \\ 9924 \\ \hline 0487$	
7711 12 13 14 15	1670 2233 2796	1163 1727 2290 2853 3416	$1783 \\ 2346 \\ 2909$	$\begin{array}{c} 1839 \\ 2402 \end{array}$	1895 2459 3022	1952 2515 3078	$2008 \\ 2571 \\ 3134$	1501 2064 2627 3190 3753	2121 $2684$ $3247$	2177 2740 3303	
16 17 18 19 20	5048 5610	4541 5104 5667	5160	5779	4710 5273	4766 5329 5892	4823 5385	4316 4879 5442 6004 6567	$\begin{array}{c} 5498 \\ 6060 \end{array}$	5554	56
7721 22 23 24 25	7298 7860 8423	7354	7410 7973 8535		$\begin{array}{c} 7523 \\ 8085 \end{array}$	8142 8704	7635 8198 8760	7129 7692 8254 8816 9378	8872	8366	1 6 2 11 3 17 4 22 5 28
26 27 28 29 30	888 0109 0671 1233	0727	$0222 \\ 0784 \\ 1345$	$0278 \\ 0840 \\ 1402$	$0334 \\ 0896 \\ 1458$	0390 - 0952 1514	0446 1008 1570	9941 0503 1064 1626 2188	$0559 \\ 1121 \\ 1683$	1177 1739	6 34 7 39 8 45 9 50
7731 32 33 34 35	4042		3031 3592 4154	4210	3143 3705	$3199 \\ 3761 \\ 4322$	3817	2750 3312 3873 4435 4996	3368	3424 3986	
36 37 38 39 40	5726		5838 6400	5894	$\begin{array}{c} 5950 \\ 6512 \end{array}$	6007 6568 7129	$6063 \\ 6624$	5558 6119 6680 7241 7802	6175 6736 7297	6231 6792	
7741 42 43 44 45	85 <b>32</b> 9093	9149 9710	8644 9205 9766	8700 9261 9822	8756 9317	8812 9373 9934	8868 9429 9990	$\begin{array}{c} 8363 \\ 8924 \\ \underline{9485} \\ 0046 \\ 0607 \end{array}$	$\begin{array}{c} 8980 \\ \underline{9541} \\ \overline{0102} \end{array}$	9037 9597	
46 47 48 49 7750	1336 1896 2457	0831 1392 1952 2513 3073	1448 2008 2569	$1504 \\ 2064 \\ 2625$	1560 2120 2681	$\begin{array}{c} 1616 \\ 2176 \\ 2737 \end{array}$	1672 2232 2793	1167 1728 2288 2849 3409	1784 2345 2905	1840 2401 2961	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7750 51 52 53 54 55	4138 4698 5258	3073 3633 4194 4754 5314 5874	4250 4810 5370	3745 4306 4866 5426	3801 4362 4922 5482	4978 5538	4474 5034 5594	3409 3970 4530 5090 5650 6210	4586 5146 5706	4082 4642 5202 5762	
56 57 58 59 60	- 6938 7498 8058 8617	6434 6994 7554 8113 8673	7050 7610 8169 8729	7106 7666 8225 8785	7162 7722 8281 8841	7218 7778 8337 8897	7274 7834 8393 8953	6770 7330 7890 8449 9009	7386 7946 8505 9065	7442 8002 8561 9121	
7761 62 63 64 65	9736 890 0296 0855 1415	0911	9848 0408 0967 1526	9904 0464 1023 1582	9960 0520	$00\overline{16} \\ 0576 \\ 1135$	$\begin{array}{c} 0632 \\ 1191 \end{array}$	$\overline{0128}$ $0687$ $1247$ $1806$	0743 1303 1862	$\overline{0240}$ 0799 1359 1918	
66 67 68 69 70 7771	2533 3092 3651	2589 3148 3707 4266 4825	2645 3204 3763 4322	2701 3260	2757 3316 3875	2813 3372 3931 4490	2869 3428 3987	4601	2980 3539 4098 4657	3595 4154	56
72 73 74 75 76	5328 5887 6445 7004	5384 5943 6501 7060	5440 5998 6557	5496 6054 6613 7172	5551 6110	5607 6166 6725 7283	5663	5719 6278 6836 7395 7953	$\begin{array}{c} 5775 \\ 6334 \end{array}$	5831 6389 6948 7507	1 6 2 11 3 17 4 22 5 28 6 34
77 78 79 80 7781	8121 8679 9238	8177 8735 9294 9852	8233 8791 9349 9908	8289 8847 9405 9963	$\begin{array}{c} 8344 \\ 8903 \\ \underline{9461} \\ \overline{0019} \end{array}$	$   \begin{array}{r}     8400 \\     8959 \\     \underline{9517} \\     \overline{0075}   \end{array} $	$\begin{array}{c} 8456 \\ 9014 \end{array}$	$\begin{array}{c} 8512 \\ 9070 \\ \underline{9629} \\ \overline{0187} \end{array}$	$\begin{array}{c} 8568 \\ 9126 \end{array}$	$\begin{array}{c} 8624 \\ 9182 \\ \underline{9740} \\ 0298 \end{array}$	7 39 8 45 9 50
82 83 84 85	0912 1470 2028 2586	0968 1526 2084 2642 3200	1024 1582 2140 2698	1080 1638 2196 2754	1135 1694 2251 2809	1191 1749 2307 2865	1247	1303 1861 2419 2977	1359	1415 1972 2530 3088	
86 87 88 89 90	3702 4259 4817 5375	3758 4315 4873 5430	3813 4371 4929 5486	3869 4427 4984 5542	3925 4482 5040 5598	3981 4538 5096 5653	4036 4594 5152 5709	4092 4650 5207 5765	4148 4706 5263 5821	4204 4761 5319 5876	
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96 97 98 99 7800	9275 9832 892 0389	8774 9331 9888 0445 1002	9387 9944 0501	9442 9999 0556	$\begin{array}{c} 9498 \\ \hline 0055 \\ 0612 \end{array}$	$\frac{9554}{0111}$ $0668$	$\frac{9610}{0166}$	$\begin{array}{c} 9108 \\ \underline{9665} \\ 0222 \\ 0779 \\ 1336 \end{array}$	$9721 \\ 0278 \\ 0835$	$\frac{9777}{0334}$ 0890	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
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06 07 08 09 10		4897 5454 6010	4953 5509	5565 6121		$\begin{array}{c} 5676 \\ 6232 \end{array}$	$5176 \\ 5732$	4675 5231 5787 6344 6900	5287 5843 6399	5899 6455	
7811 12 13 14 15	8178	7678 8234 8790	8289 8845		7289 7845 8401 8956 9512	8456 9012	8512	8011 8567 9123	8623	8123 8678	
16 17 18 19 20	893 0401 0957 1512	1012 1568	$\begin{array}{c} 0512 \\ 1068 \end{array}$	$0568 \\ 1123 \\ 1679$	$0623 \\ 1179$	0679 1234 1790	0734 $1290$ $1845$	$     \begin{array}{r}       0234 \\       0790 \\       1345 \\       1901 \\       2456     \end{array} $	0846 1401 1956	1457 2012	56
7821 22 23 24 25	3733	2678 3234 3789 4344 4899	3844 4399	3345 3900	3955 4510	3456 4011 4566	2956 3511 4066 4621 5176	3567 4122 4677	3067 3622 4177 4732 5287	3123 3678 4233 4788 5343	1 6 2 11 3 17 4 22 5 28
26 27 28 29 30	6508 7063	6009 6564	6064 6619 7174	$6675 \\ 7229$		6231 6786 7340	6286 6841 7396	5787 6342 6897 7451 8006	6397 6952 7507	5898 6453 7007 7562 8117	6 34 7 39 8 45 9 50
7831 32 33 34 35	9281	8228 8782 9337 9891 0445	8838 9392 9947	$\tfrac{9448}{0002}$	$\frac{9503}{0057}$	$\begin{array}{c} 9004 \\ \underline{9558} \\ \overline{0113} \end{array}$	$\begin{array}{c} 8505 \\ 9059 \\ \underline{9614} \\ \overline{0168} \\ 0723 \end{array}$	$\frac{9669}{0224}$	$9170 \\ 9725$	8671 9226 9780 0335 0889	
36 37 38 39 40	1498 2053 2607	2108	1609 2163 2717	$1665 \\ 2219 \\ 2773$	1166 1720 2274 2828 3382	2330 2884	2939	1332 1886 2440 2994 3548	1942 2496 3050	3105	
7841 42 43 44 45	3715 4268 4822 5376 5929	4878	4379		4490 5044	4545 5099 5653	4047 4601 5154 5708 6262	5210	4158 4711 5265 5819 6372		
46 47 48 49 7850		7092	7147 7701 8254	6649 7203 7756 8309 8863	7258 7811 8365	8420	7369 7922 8475	6870 7424 7977 8531 9084	6926 7479 8033 8586	8641	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
7850	894 8697					8973	9028	9084		9194	
51 52		9305 9858				$\frac{9526}{0070}$	$\frac{9582}{0125}$	$\frac{9637}{0190}$	$\frac{9692}{0945}$	$\frac{9748}{0201}$	
53	895 0356				0577			0743			
54		0964			1130		1241		1351		
55	1462	1517	1572	1628	1683	1738	1794	1849	1904	1959	
56	2015	2070	2125	2181	2236	2291	2346	2402	2457	2512	
57	2568	2623	2678	2733	2789			2954			
58		3176		3286				3507			
59		3728						4060			
60		4281					4557	4612		4723	
7861 62		4833 5386						5165 5717		5275	
63		5938						6269			
64		6490		6601				6822			
65	6987		7098		7208	7263				7484	
66	7539	7595	7650	7705	7760	7815	7871	7926	7981	8036	
67	8092	8147	8202	8257	8312	8368	8423	8478	8533	8588	-
68		8699						9030			
69		9251					$\frac{9527}{0070}$		$\frac{9637}{0100}$	$\frac{9692}{2044}$	
70		9803				0023		0134			55
7871	896 0299					0575		0685		0796	1 6
72 73		$0906 \\ 1458$		1016		$\frac{1127}{1678}$	$\frac{1182}{1733}$	$\frac{1237}{1789}$	1292 1844		2 11
74		2009			2175	2230	2285	2340		2450	3 17 4 22
75		2561			2726		2837		2947	3002	5 28
76	3057	3112	3167	3222	3278	3333	3388	3443	3498	3553	6 33
77	3608	3664	3719	3774	3829	3884	3939	3994	4050	4105	7 39 8 44
78		4215		4325				4546			9 50
79		4766					5042	5097			1
80		5317						5648			
7881 82		5868 6419		5979				6199			
83		6970		7081				6750 7301			
84		7521			7686	7742	7797	7852	7907	7962	
85		8072			8237			8403			
86	8568	8623	8678	8733	8788	8843	8898	8953	9008	9063	
87		9173						9504			
88		9724						0054			
89 90	897 0220	$0275 \\ 0825$			0440			$0605 \\ 1155$			
7891 92		$1375 \\ 1926$			2091			$\frac{1706}{2256}$			
93	2421		2531					2806			
94		3026			3191			3356			
95	3521	3576	3631	3686	3741	3796	3851	3906	3961	4016	
96	4071	4126			4291			4456			
97	4621		4731		4841			5006			
98		5226						5556			
7900		5776				5996 6546		6106			
1000	0211	0020	0001	0400	0491	0070	0001	0000	0111	0100	

No.	0	1	2	3	4	5	6	7	8	9	Diff
7900	897 627						6601				
01		1 6876					7150				
02		0 7425					7700				
03	846	0 7975			8689		8250 8799				
05	1	9 9074					9348				
							9898				
06	898 011	8 9623			9788		0447				
08		7 0722					0996				
09		6 1271					1545				
10	176	5 1820	1875	1930	1984	2039	2094	2149	2204	2259	
7911	231	4 2369	2424	2479	2533	2588	2643	2698	2753	2808	
12		3 2918					3192				
13	341	2 3467	3521	3576	3631	3686	3741	3796	3851	3906	
14	396	0 4015	4070	4125	4180	4235	4290	4345	4399	4454	
15	450	9 4564	4619	4674	4729	4784	4838	4893	4948	5003	
16	505	8 5113	5168	5222	5277	5332	5387	5442	5497	5552	
17	560	6 5661	5716	5771	5826	5881	5936	5990	6045	6100	
18		5 6210					6484				
19		3 6758					7032				
20	725	2 7307	7361	7416	7471	7526	7581	7636	7690	7745	55
7921		0 7855					8129				1 6
22		8 8403					8677				2 11
23		7 8951					9225				3 17
24		$\frac{5}{9499}$					9774				4 22
25		3 0048					$\overline{0321}$				5 28 6 33
26	899054						0869				7 39
27		9 1143					1417				8 44
28 29	218	6 1691	2294				1965 2513				9 50
30		$\begin{array}{cccccccccccccccccccccccccccccccccccc$					3060				
7931	327 382		3389 3937				3608 4156				
33		$5\ 4429$					4703				}
34		24977					5250				
35		9 5524					5798				
36	601	7 6071	6126	6181	6235	6290	6345	6400	6454	6509	
37		4 6619					6892				1
38		1 7166					7439				
39	765	8 7713	7767	7822	7877	7932	7986	8041	8096	8150	
40	820	8260	8314	8369	8424	8479	8533	8588	8643	8697	
7941	875	8807	8861	8916	8971	9025	9080	9135	9189	9244	
42		9354					9627				
43		9900					$\overline{0174}$				
44	900 0393						0720				
45		0994					1267				
46		1540					1814			1977	
47		2087					2360				
48 49		2633					2906				4
4.9	3128	3180	3234	3289	3344	3398	3453	3507	3362	3017	
7950	2671	3726	9701	2025	2000		3999	4054	4100		

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
7950 51 52 53 54	4764	4272 4818 5364	4327 4873 5419	4381 4928	4436 4982 5528	5037 5583	4545 5091 5637	4054 4600 5146 5692 6238	4654 5201 5747	5255 5801	
55 56 57	6402 6948 7494	6456 7002 7548	6511 7057 7603	6566 7112 7657	6620 7166 7712	6675 7221 7766	6729 7275 7821	6784 7330 7876	6839 7384 7930	6893 7439 7985	
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62 63 64 65	1313 1858	0822 1367 1912	0876 1422 1967	$0931 \\ 1476 \\ 2021$	0985 1531 2076	1040 1585 2130	1094 1640 2185	0604 1149 1694 2239	1203 1749 2294	1258 1803 2349	
66 67 68 69 70	2948 3493 4038	2458 3003 3548 4093 4638	3057 3602 4147	3112	3166 3711	3221 $3766$ $4311$	3275 3820 4365	2785 3330 3875 4420 4965	3384 3929 4474	3439 3984 4529	55
7971 72 73 74 75	5673 6 <b>2</b> 18	5183 5727 6272 6817 7361	5782 6327 6871	5836 6381	5891 6436 6980	5945 6490 7035	$6000 \\ 6544 \\ 7089$	5509 6054 6599 7144 7688	6109 6653 7198	6163 6708 7252	1 6 2 11 3 17 4 22 5 28 6 33
76 77 78 79 80	8396 8940	7906 8450 8995 9539 0083	8505 9049 9594	8559 9104 9648	8614 9158 9702	9212 9757	8723 9267 9811	8233 8777 9321 9866 0410	$\begin{array}{c} 9376 \\ 9920 \end{array}$	8886 9430 9974	7 39 8 44 9 50
7981 82 83 84 85	1661	$1172 \\ 1716 \\ 2260$	$\begin{array}{c} 1226 \\ 1770 \end{array}$	2368	1335 1879	1389 1933 2477	1444 1988 2532	0954 1498 2042 2586 3130	$\begin{array}{c} 1552 \\ 2096 \\ 2640 \end{array}$	1607 2151 2695	
86 87 88 89 90	4381 4924	3891 4435 4979	3946 4489 5033	4544	4054 4598 5142	4109 4652 5196	4163 4707 5250	3674 4217 4761 5305 5848	4272 $4815$ $5359$	4870 5413	
7991 92 93 94	6555 7098 7641		6663 7207 7750	6718 7261 7804	6772 7315 7859	6826 7370 7913	$6881 \\ 7424$	6392 6935 7478 8022	6989 7533	7044 7587 8130	
95 96 97 98 99	8728 9271	8782 9325 9868	8836 9380 9923	8891 9434 9977	$8945 \\ 9488 \\ \hline 0031$	$\begin{array}{r} 8999 \\ \underline{9542} \\ \overline{0085} \end{array}$	$\begin{array}{c} 9054 \\ \underline{9597} \\ 0140 \end{array}$	9108 $9651$ $0194$ $0737$	$\begin{array}{c} 9162 \\ \underline{9705} \\ 0248 \end{array}$	$\overline{03}\overline{03}$	
8000		0954						1280			

No.		0	1	2	3	4	5	6	7	8	9	Diff.
8000 01 02 03 04 05	903 09 14 19 25 30	900 443 985 528 071	0954 1497 2040 2582 3125 3668	1008 1551 2094 2637 3179	1063 1606 2148 2691 3234	1117 1660 2203 2745 3288	1171 1714 2257 2799 3342	1226 1768 2311 2854	2365 2908 3451	$\begin{array}{c} 2962 \\ 3505 \end{array}$	3017 3559	
06 07 08 09 10	55 55	698 241 783	4210 4753 5295 5837 6379	4807 5349 5891	4861 5403 5946	4915 5458 6000	4969 5512 6054	5566 6108	4536 5078 5620 6163 6705	5132 5674 6217	5186 5729 6271	
8011 12 13 14 15	7:	409 951 493	6922 7464 8006 8548 9089	7518 8060 8602	7572 8114 8656	7626 8168 8710	7680 8222 8764	8277 8819	7247 7789 8331 8873 9415	7843 8385 8927	8439 8981	
16 17 18 19 20	904 0 0 1	119 661 202	9631 0173 0715 1256 1798	$0227 \\ 0769 \\ 1310$	$\begin{array}{c} 0823 \\ 1365 \end{array}$	0336 0877 1419	$0390 \\ 0931 \\ 1473$	$0444 \\ 0985 \\ 1527$	9956 0498 1040 1581 2123	$0552 \\ 1094 \\ 1635$	0606 1148 1690	54
8021 22 23 24 25	2 3 3	827 368 909	2339 2881 3422 3963 4505	2935 3476 4017	2989 3530 4072	3584 4126	3097 3639 4180	$\frac{3693}{4234}$	2664 3206 3747 4288 4829	$3260 \\ 3801 \\ 4342$	2772 3314 3855 4396 4937	1 5 2 11 3 16 4 22 5 27
26 27 28 29 30	5 6 6	533 074 615	5046 5587 6128 6669 7210	5641 6182 6723	5695 6236 6777	5749 6290 6831	5803 6344 6885	5857 6398 6939	5370 5911 6452 6993 7534	5965 6506 7047	6020 6560 7101	6 32 7 38 8 43 9 49
8031 32 33 34 35	8 8 9	237 778 318	7750 8291 8832 9372 9913	8345 8886 9426	8399 8940 9480	8453 8994 9534	8507 9048 9589	8561 9102 9643	8075 $8615$ $9156$ $9697$ $0237$	8670 9210 9751	8724 9264 9805	
36 37 38 39 40	0 1 2	$940 \\ 480 \\ 020$	0453 0994 1534 2074 2615	$1048 \\ 1588 \\ 2128$	$1102 \\ 1642 \\ 2182$	1156 1696 2236	1210 1750 2290	1264 1804 2344	0778 1318 1858 2398 2939	1372 1912 2452	1426 1966 2506	
8041 42 43 44 45	3 4 4	641 181 721	3155 3695 4235 4775 5314	3749 4289 4829	3803 4343 4883	3857 4397 4937	3911 4451 4991	3965 4505 5045	3479 4019 4559 5099 5638	4073 4613 5153	4127 4667 5207	
46 47 48 49 8050	6	340 880 419	5854 6394 6934 7473 8013	6448 6988 7527	6502 7042 7581	6556 7096 7635	6610 7149 7689	6664 7203 7743	6178 6718 7257 7797 8336	6772 7311 7851	6826 7365 7905	

-	No.		0	1	2	3	4	5	6	7	8	9	Diff.
-	8050 51 52 53 54 55		8498 9038		8606 9146 9685	8660 9199 9739 0278	8714 9253 9793	9307 9847 0386	8822 9361 9901	8336 8876 9415 9954 0494 1033	$\begin{array}{c} 8930 \\ \underline{9469} \\ \overline{0008} \end{array}$	$\begin{array}{c} 8984 \\ \underline{9523} \\ 0062 \\ 0602 \end{array}$	
	56 57 58 59 60 8061			1788 2327 2865 3404	1841 2380 2919	2434 2973 3512	1949 2488 3027	2003 2542 3081 3620	$\begin{array}{c} 2596 \\ 3135 \end{array}$	2111 2650 3189 3728	2165 2704 3243 3781	2758 3297	
	62 63 64 65		4428 4967 5505 6044	4482 5020 5559 6098	4536 5074 5613 6151	4590 5128 5667 6205	4643 5182 5721 6259	4697 5236 5774 6313	4751 5290 5828 6367	4805 5344 5882 6421	4859 5397 5936 6474	4913 5451 5990 6528	
	66 67 68 69 70		6582 7121 7659 8197 8735	7174 7713	7767 8305		7336 7874 8412	7390 7928 8466	7982 8520	6959 7497 8036 8574 9112	8090 8628	8143 8682	E4
	8071 72 73 74 75	907		$\begin{array}{c} 9865 \\ 0403 \end{array}$	9919 0457 0995	0511	$\overline{0027}$	$ \begin{array}{r} \overline{0081} \\ 0618 \\ 1156 \end{array} $	$0\overline{134} \\ 0672 \\ 1210$	$\begin{array}{c} 9650 \\ \hline 0188 \\ 0726 \\ 1264 \\ 1802 \end{array}$	$02\overline{42} \\ 0780 \\ 1318$	$\begin{array}{c} \overline{0296} \\ 0834 \end{array}$	54 1 5 2 11 3 16 4 22 5 27
	76 77 78 79 80		3576	2555 3092	2608 3146 3684	3737	3254	2770 3307 3845		2340 2877 3415 3952 4490	3469 4006	2985	6 32 7 38 8 43 9 49
	8081 82 83 84 85	,	5726	4705 5242 5780 6317 6854	5296 5833 6370	5887	5941	5457 5994 6532	5511	5027 5565 6102 6639 7176	5618 6156 6693	6209 6747	
	86 87 88 89 90		8411	7928 8465 9002	7982 8519 9056	8036 8573	8626 9163	8143 8680 9217	8734 9270	8250 8787	8841 9378	8358 8895 9432	
	8091 92 93 94 95	908	$   \begin{array}{r}     0022 \\     0559 \\     1095 \\     1632 \\     2169   \end{array} $	1149 1686	$0666 \\ 1203$	0183 0720 1256 1793 2329	0773 1310	$0827 \\ 1364$	0881 1417 1954	2008	$0988 \\ 1525$	1042 1578 2115	
	96 97 98 99 8100		3241 3778 4314	2759 3295 3831 4368 4904	3349 3885 4421	3402 3939 4475	3456 3992 4528	3510 4046 4582	4099 4636	3617 4153	3670 4207 4743	4797	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
8100 01 02 03 04 05	5922 6458 6994	4904 5440 5976 6512 7048 7584	5494 6030 6566 7102	5547 6083 6619 7155	5601 6137 6673 7209	$\begin{array}{c} 6190 \\ 6726 \end{array}$	5708 6244 6780 7316	5225 5762 6298 6834 7369 7905	5815 6351 6887 7423	6405 6941 7477	
06 07 08 09 10	8602 9137	8120 8655 9191 9727 0262	8709 9245 9780	8762 9298 9834	8816 9352 9887	8870 9405 9941	8923 9459 9994	$8441 \\ 8977 \\ 9512 \\ \hline 0048 \\ 0583$	$9030 \\ 9566 \\ \hline 0101$	$\begin{array}{c} 9084 \\ 9619 \\ \hline 0155 \end{array}$	
8111 12 13 14 15	1279 1815 2350	0798 1333 1868 2404 2939	1386 1922 2457	1440 1975 2511	1494 2029 2564	1547 2082 2618	$1601 \\ 2136 \\ 2671$	1119 1654 2189 2725 3260	1708 2243 2778	1761 2297 2832	
16 17 18 19 20	3955 4490 5025	3474 4009 4544 5079 5614	4062 4597 5132	4116 4651 5186	4169 4704 5239	4223 4758 5293	4276 4811 5346	3795 4330 4865 5400 5935	4383 4918 5453	4437 4972 5507	54
8121 22 23 24 25	6630 7165 7699	6149 6683 7218 7753 8287	6737 7271 7806	6790 7325 7860	6844 7378 7913	6897 7432 7966	6951 7485 8020	6469 7004 7539 8073 8608	7058 7592 8127	7111 7646 8180	1 5 2 11 3 16 4 22 5 27
26 27 28 29 30	9303 9837 910 0371	8822 9356 9890 0425 0959	9409 9944 0478	9463 9997 0532	$\begin{array}{c} 9516 \\ \hline 0051 \\ 0585 \end{array}$	$\frac{9570}{0104}$ 0638	$\frac{9623}{0158}$ $0692$	$\begin{array}{c} 9142 \\ \underline{9677} \\ 0211 \\ 0745 \\ 1279 \end{array}$	$\frac{9730}{0264}$ $0799$	$\frac{9784}{0318}$ $0852$	6 35 7 38 8 45 9 49
8131 32 33 34 35	1974 2508 3042	1493 2027 2561 3095 3629	2081 2615 3148	2134 2668 3202	2187 2721 3255	2241 2775 3309	2294 2828	1813 2348 2882 3415 3949	2401 2935 3469	2454 2988	
36 37 38 39 40	4643 5177 5710	4163 4697 5230 5764 6297	4750 5284 5817	4803 5337 5871	4857 5390 5924	4910 5444 5977	4963 5497 6031	4483 5017 5550 6084 6618	5070 5604 6137	5123 5657 6191	
8141 42 43 44 45	7311 7844 8378	6831 7364 7898 8431 8964	7418 7951 8484	7471 8004 8538	7524 8058 8591	7578 8111 8644	7631 8164 8698	7151 7684 8218 8751 9284	7738 8271 8804	7791 8324 8858	
46 47 48 49 8150	9444 9977 911 0510 1043	$\begin{array}{c} 9497 \\ \hline 0030 \\ 0564 \\ 1096 \end{array}$	$\begin{array}{r} 9551 \\ \hline 0084 \\ 0617 \\ 1150 \end{array}$	$\begin{array}{r} 9604 \\ \hline 0137 \\ 0670 \\ 1203 \end{array}$	$\frac{9657}{0190}$	$\begin{array}{r} 9711 \\ \hline 0244 \\ 0777 \\ 1310 \end{array}$	$\begin{array}{r} 9764 \\ \hline 0297 \\ 0830 \\ 1363 \end{array}$	$\begin{array}{r} 9817 \\ \hline 0350 \\ 0883 \\ 1416 \\ 1949 \end{array}$	$\frac{9871}{0404}$ $0937$ $1470$	$\begin{array}{r} 9924 \\ \hline 0457 \\ 0990 \\ 1523 \end{array}$	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
8150	911 1576						1896		2002		
51 52		2162 2695						2482 3015			
53		3228			3387		3494		3601		
54	3707	3760	3814	3867	3920	3973	4027	4080			
55		4293			4453	4506			4666		
56		4825			4985			5145			
57 58		5358 5890						5677 6210			
59		6423						6742			
60	6902	6955	7008	7061	7114	7168	7221	7274	7327	7381	
8161		7487						7806			
62		8019						8338			
63		8551 9083						8870 9402			
65	9562		9668					9934			
66	912 0094	0147	0200	0253	0306	0360	0413	0466	0519	0572	
67		0679						0998			
68		$1210 \\ 1742$						1529 2061			
70		2274						2593			
8171	2752	2805	2858	2912	2965	3018	3071	3124	3177	3230	53
72		3337						3656			1 5 2 11
73		3868						4187			3 16
74 75		4399 4931						4718 5249			4 21 5 27
76		5462						5781			6 32
77		5993						6312			7 37 8 42
78		6524						6843			9 48
79		7055						7374			
80		7586						7905			
8181		8117 8648						8436 8966			
83		9179						9497			
84		9709						0028			
85	913 0187							0558			
86 87		0770 1301						1089 1619			
88		1831						2150			
89		2362						2680			
90	2839	2892	2945	2998	3051			3210	3263	3316	
8191		3422					3687		3793		
92		3952 4483						4271 4801			
94	1	5013						5331			
95	5490	5543	5596	5649	5702	5755	5808	5861	5914	5967	
96		6072						6390			
97	6549	6602	$6655 \\ 7185$				6867 $7397$		6973		
98	7679				7821			7980	7503 8033		
8200					8350			8509			
6200	0139	0191	0244	0297	0300	5403	0400	0009	0002	9019	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
8200 01 02 03 04	9198 9727 9140257	8721 9251 9780 0309	8774 9304 9833 0362	8827 9356 9886 0415	8880 9409 9939 0468	8933 9462 9992 0521	$\begin{array}{r} 9515 \\ \hline 0045 \\ 0574 \end{array}$	$\begin{array}{c} 9039 \\ \underline{9568} \\ \overline{0098} \\ 0627 \end{array}$	$\begin{array}{c} 9092 \\ \underline{9621} \\ 0151 \\ 0680 \end{array}$	$\begin{array}{c} 9145 \\ \underline{9674} \\ 0204 \\ 0733 \end{array}$	
05 06 07 08 09	1844 2373 2903	1368 1897 2426 2955	1950 2479 3008	1474 2003 2532 3061	1527 2056 2585 3114	1580 2109 2638 3167	1633 2162 2691 3220	1156 1686 2215 2744 3273	1738 2268 2797 3326	1791 2321 2850 3379	
10 8211 12 13 14 15	3961 4489 5018 5547	3484 4013 4542 5071 5600 6129	4066 4595 5124 5653	4119 4648 5177 5706	4172 4701 5230 5758	4225 4754 5283 5811	4278 4807 5335 5864	3802 4331 4860 5388 5917 6446	4384 4912 5441 5970	4437 4965 5494 6023	
16 17 18 19 20	6604 7133 7661 8190	6657 7186 7714 8243 8771	6710 7239 7767 8295	6763 7291 7820 8348	6816 7344 7873 8401	6869 7397 7926 8454	6921 7450 7978 8507	6974 7503 8031	7027 7556 8084 8613	7080 7609 8137 8665	
8221 22 23 24 25	9246 9775 915 0303 0831	9299 9828	9352 9880 0409 0937	9405 9933 0461 0989	9458 9986 0514 1042	$\begin{array}{r} 9511 \\ \hline 0039 \\ 0567 \\ 1095 \end{array}$	$\begin{array}{c} 9563 \\ \hline 0092 \\ 0620 \\ 1148 \end{array}$	$\begin{array}{c} 9616 \\ \hline 0144 \\ 0673 \\ 1201 \\ 1729 \end{array}$	$\begin{array}{r} 9669 \\ \hline 0197 \\ 0725 \\ 1253 \end{array}$	$\begin{array}{r} 9722 \\ \hline 0250 \\ 0778 \\ 1306 \end{array}$	53 1 5 2 11 3 16 4 21 5 27
26 27 28 29 30	2943 3471	1940 2468 2996 3523 4051	3048 3576	2573 3101 3629	2626 3154 3682	3207 3734	2732 3260 3787	2257 2784 3312 3840 4368	3365 3893	3946	6 32 7 37 8 42 9 48
8231 32 33 34 35	5054 5581 6109	4579 5106 5634 6161 6689	5159 5687 6214	5212 5739 6267	5265 5792 6320	5317 5845 6372	5370 5898 6425	4895 5423 5950 6478 7005	$\begin{array}{c} 5476 \\ 6003 \end{array}$	5528 6056 6583	
36 37 38 39 40	7691 8218 8745	7216 7743 8271 8798 9325	7796 8323 8850	7849 8376 8903	8956	7954 8481 9009	8007 8534 9061	7532 8060 8587 9114 9641	8112 8640 9167	8165 8692 9219	
8241 42 43 44 45	916 0326 0853	$\begin{array}{c} 0906 \\ 1433 \end{array}$	0431 0958	0484 1011 1538	0537 1064 1591	0590 1116 1643	0642		$0748 \\ 1274 \\ 1801$	0800	
46 47 48 49 8250	2960 3487 4013	2486 3013 3539 4066 4592	2539 3065 3592 4118	2591 3118 3644 4171	2644 3171 3697 4224	3223 3750 4276	3276 3802 4329	2802 3329 3855 4382	3381 3908 4434	3434 3960 4487	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
8250 51 52 53 54 55	5592 6118 6645	4592 5119 5645 6171 6697 7223	5171 5697 6224 6750	5224 5750 6276 6802	5276 5803	5329 5855 6382 6908	5382 5908 6434	4908 5434 5961 6487 7013 7539	5487 6013 6539	5540 6066 6592 7118	
56 57 58 59 60	8223 8749 9275	7749 8275 8801 9327 9853	8328 8854 9380	8381 8907 9432	8433 8959 9485	8486 9012 9538	8538 9064 9590	$\begin{array}{c} 8065 \\ 8591 \\ 9117 \\ \underline{9643} \\ \overline{0169} \end{array}$	8644 9169 9695	8696 9222 9748	
8261 62 63 64 65	1378	0904 1430 1956	0957 1483	$1010 \\ 1535 \\ 2061$	1062 1588 2113	1115 1640 2166 2691	1167 1693 2218 2744	$\begin{array}{c} 0694 \\ 1220 \\ 1745 \\ 2271 \\ 2796 \end{array}$	1272 1798 2323	1325 1851 2376	
66 67 68 69 70	3479 4005 4530 5055	3007 3532 4057 4582 5108	3584 4110 4635 5160	3637 4162 4687 5213	3690 4215 4740 5265	3742 4267 4793	4320 4845	3322 3847 4372 4898 5423	$\begin{array}{c} 4425 \\ 4950 \end{array}$	3952 4477 5003	52
8271 72 73 74 75	5580 6105 6630 7155 7680	6158 6683 7208	6735	6263 6788 7313	6315 6840	6368 6893 7418		7523		6578 7103 7628	1 5 2 10 3 16 4 21 5 26
76 77 78 79 80	8730 9254	8257 8782 9307 9831 0356	8834 9359 9884	8887 9412 9936	8939 9464 9989	$\begin{array}{r} 8992 \\ 9517 \\ \hline 0041 \end{array}$	$\frac{9569}{0094}$	$8572 \\ 9097 \\ \underline{9621} \\ 0146 \\ 0671$	$\begin{array}{c} 9149 \\ 9674 \\ \hline 0198 \end{array}$	$\begin{array}{c} 9202 \\ 9726 \\ \hline 0251 \end{array}$	6 31 7 36 8 42 9 47
8281 82 83 84 85		1405 1929 2453		1510 2034 2558	2086 2611	1614 2139 2663	1667	1195 1719 2244 2768 3292	1772 $2296$ $2820$	$\begin{array}{c} 1824 \\ 2348 \end{array}$	
86 87 88 89 90	5021		$\frac{4602}{5126}$	4131 4655 5179	4183 4707 5231	4235 4759 5283	4288 4812 5336	3816 4340 4864 5388 5912	4393 4917 5441	4445 4969 5493	
8291 92 93 94 95	6593 7117 7640	6122 6645 7169 7693 8216	6698 7221	6750 7274 7797	7326	6855 7378 7902	6907 7431	6436 6960 7483 8007 8530	$7012 \\ 7536$	7064	
96 97 98 99 8300	9211 9734 919 0258	9787 0310	9316 9839 0362	9368 9891 0415	9420 9944	9473 9996 0519	$\frac{9525}{0048}$ $0572$	$\begin{array}{c} 9054 \\ \underline{9577} \\ \overline{0101} \\ 0624 \\ 1147 \end{array}$	$\frac{9630}{0153}$ $0676$	$\frac{9682}{0205}$	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
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06 07 08 09 10	391 444 496	9 3972 2 4494 5 5017 8 5540	4024 4547 5069	4076 4599 5122 5644	4128 4651 5174 5697	4181 4703 5226 5749	4233 4756 5279 5801	4285 4808 5331 5853 6376	4338 4860 5383 5906	4390 4913 5435	
8311 12 13 14 15	705 757 810	3 6585 5 7108 8 7630 0 8152 3 8675	7160 7682 8205	7212 7735 8257	$7264 \\ 7787$	7317 7839 8361	7369 7891 8414	6899 7421 7943 8466 8988	7473 7996 8518	7526 8048 8570	
16 17 18 19 20	966 920 018 071	5 9197 7 9719 9 0241 1 0763 3 1285	9771 0294 0816	9824 0346 0868	9876 0398 0920	0972	$9980 \\ 0502 \\ 1024$		$0085 \ 0607 \ 1129$	0137 $0659$ $1181$	52
8321 22 23 24 25	227 279 332 384	9 2851 1 3373 2 3895	2381 2903 3425 3947	2434 2955 3477 3999	2486 3008 3529 4051	2538 3060 3582 4103	2590 3112 3634 4155	2121 2642 3164 3686 4208	3216 3738		1 5 2 10 3 16 4 21 5 26
26 27 28 29 30	488 540 592 645	4 4416 6 4938 7 5459 9 5981 0 6502	4990 5511 6033 6554	5042 5564 6085 6606	5094 5616 6137 6659	5146 5668 6189 6711	5199 5720 6241 6763	4729 5251 5772 6294 6815	5824 6346 6867	5355 5876 6398 6919	6 31 7 36 8 42 9 47
8331 32 33 34 35	801 853 905	3 7545 4 8066 5 8587 6 9108	7597 8118 8639 9160	7649 8170 8691 9212	8222 8743 9264	7753 8274 8796 9317	8848 9369	7857 8379 8900 9421	8952 9473	7962 8483 9004 9525	
36 37 38 39 40	921 009 061 114 166	9 0671 0 1192 1 1713	$0202 \\ 0723 \\ 1244 \\ 1765$	0254 0775 1296 1817	0306 0827 1348 1869	0358 0879 1400 1921	0411 0931 1452 1973	9942 0463 0983 1504 2025	0515 1036 1556 2077	0567 1088 1608 2129	
8341 42 43 44 45	270 322 374 426		2806 3327 3847 4367	3379 3899 4420	3431 3951 4472	2962 3483 4003 4524	3014 3535 4055 4576	2546 3066 3587 4107 4628	3118 3639 4159 4680	3170 3691 4211 4732	
46 47 48 49 8350	530 582 634	4 4836 4 5356 4 5876 5 6397 5 6917	5408 5928 6449	5460 5980 6501	5512 6032 6553	5564 6085 6605	5616 6137 6657	5148 5668 6189 6709 7229	5720 6241 6761	5772 6293 6813	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
8350 51 52 53 54 55	7905 8425 8945	7437 7957 8477	7489 8009 8529 9049	7541 8061 8581 9101	8633	7645 8165 8685 9205	7177 7697 8217 8737 9257 9776	8789 9309	7281 7801 8321 8841 9361 9880	8373 8893 9413	
56 57 58 59 60	922 0504 1024 1543 2063	0556 1076 1595 2115	1128 1647 2167	0660 1180 1699 2219	0712 1232 1751 2271	0764 1283 1803 2323	0816 1335 1855 2374	2426	0920 1439 1959 2478	0972 1491 2011 2530	٩
8361 62 63 64 65 66	3102 3621 4140 4659	3154 3673 4192 4711	2686 3206 3725 4244 4763 5282	3257 3777 4296 4815	3829	3361 3881 4400 4919		3465 3984 4504 5023		3569 4088 4608 5127	
67 68 69 70 8371	5698 6217 6736 7255	5750 6269 6788	5801 6321	5853 6372 6891	5905 6424 6943	5957 6476 6995 7514	6009 6528 7047	6061 6580 7099 7618	6113 6632 7151 7670	6165 6684 7203	52
72 73 74 75 76	8811 9330	8863 9381 9900	$9433 \\ 9952$	$\begin{array}{r} 8967 \\ \underline{9485} \\ 0004 \end{array}$	$\begin{array}{c} 9018 \\ \underline{9537} \\ 0056 \end{array}$	$9070 \\ 9589 \\ \hline 0107 \\ 0626$	$\begin{array}{c} 9122 \\ \underline{9641} \\ \overline{0159} \\ 0678 \end{array}$	$\begin{array}{c} \overline{0211} \\ 0730 \end{array}$	$\begin{array}{c} 9226 \\ \underline{9744} \\ \overline{0263} \\ 0781 \end{array}$	$\frac{9796}{0315}$ 0833	1 5 2 10 3 16 4 21 5 26 6 31 7 36
77 78 79 80 8381	1404 1922 2440 2958	1455 1974 2492 3010	0989 1507 2026 2544 3062	1559 2077 2596 3114	1611 2129 2647 3166	1663 2181 2699 3217	1715 2233 2751 3269	2803 3321	1818 2337 2855 3373	1870 2388 2907 3425	8 42 9 47
82 83 84 85 86	3995 4513 5031 5549	4046 4564 5082 5600	3580 4098 4616 5134 5652	4150 4668 5186 5704	4202 4720 5238 5756	4254 4772 5290 5808	4823 5341 5859	4357 4875 5393 5911	5963	4461 4979 5497 6015	
87 88 89 90 8391 92	6584 7102 7620 8137	6636 7154 7671 8189	6170 6688 7205 7723 8241 8758	6740 7257 7775 8292	6791 7309 7827 8344	6843 7361 7878 8396	6895 7413 7930 8448		6998 7516 8034 8551	7050 7568 8085 8603	
93 94 95 96 97	9172 9690 924 0207 0724	9224 9741 0259 0776	$\begin{array}{c} 9276 \\ 9793 \end{array}$	9327 9845 0362 0879	9379 9897 0414 0931	9431 9948 0466 0983	$\begin{array}{c} 9483 \\ \hline 0000 \\ 0517 \end{array}$	$\begin{array}{c} 9534 \\ \hline 0052 \\ 0569 \\ 1086 \end{array}$	$\frac{9586}{0104}$ $0621$	$\begin{array}{c} 9638 \\ \hline 0155 \\ 0673 \\ 1190 \end{array}$	,
98 99 8400	1759 2276	$\begin{array}{c} 1810 \\ 2328 \end{array}$	1862 2379	1914 2431		$2017 \\ 2534$	$2069 \\ 2586$	2121	$\begin{array}{c} 2172 \\ 2689 \end{array}$	2224 2741	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
8400 01 02 03 04 05		3310 3827 4344 4860	2845 3362 3878 4395 4912 5429	3413 3930 4447 4964	3465 3982 4499 5015	3517 4034 4550 5067	3568 4085 4602 5119	3620 4137 4654 5170	3155 3672 4189 4705 5222 5739	3723 4240 4757 5274	3775 4292 4809 5326	
06 07 08 09 10		6410 6927 7444 7960	5946 6462 6979 7495 8012	6514 7030 7547 8063	6565 7082 7598 8115	6617 7134 7650 8167	6669 7185 7702 8218	6720 7237 7753 8270	6255 6772 7289 7805 8321	6824 7340 7857 8373	6875 7392 7908 8425	
8411 12 13 14 15 16	925	8993 9509 0025 0541	8528 9044 9561 0077 0593 1109	9096 9612 0128 0644	9148 9664 0180 0696	9199 9715 0232 0748	9251 9767 0283 0799	9302 9819 0335 0851	8838 9354 9870 0386 0902 1418	9406 9922 0438 0954	9457 9973 0490 1006	
17 18 19 20 8421		1573 2089 2605	1625 2141 2657 3172	1676 2192 2708 3224	1728 2244 2760 3276	1780 2296 2811	1831 2347 2863 3379	1883 2399 2915 3430	1934 2450 2966 3482 3998	1986 2502 3018 3534	2038 2554 3069 3585	52
22 23 24 25 26		4668 5184 5699 6215	4204 4720 5235 5751 6266	4771 5287 5802 6318	4823 5338 5854 6369	4874 5390 5905 6421	4926 5441 5957 6472	4977 5493 6008 6524	4513 5029 5544 6060 6575	5080 5596 6111 6627	5132 5648 6163 6678	1 5 2 10 3 16 4 21 5 26 6 31 7 36
27 28 29 30 8431		7245 7761 8276 8791	6781 7297 7812 8327 8842	7348 7864 8379 8894	7400 7915 8430 8945	7451 7967 8482 8997	7503 8018 8533 9048	7554 8070 8585 9100	7091 7606 8121 8636 9151	7657 8173 8688 9203	7709 8224 8739 9254	8 42 9 47
32 33 34 35 36 37	926	9821 0336 0851 1366	0387 0902 1417	9924 0439 0954 1469	9975 0490 1005 1520	9512 0027 0542 1057 1572 2086	0078 $0593$ $1108$ $1623$	$\overline{0130}$ $0645$ $1160$ $1675$	$\begin{array}{c} 9667 \\ \hline 0181 \\ 0696 \\ 1211 \\ 1726 \\ 2241 \end{array}$	0233 $0748$ $1263$ $1778$	0284 $0799$ $1314$ $1829$	
38 39 40 8441 42		2395 2910 3424 3939	2447 2961 3476 3990	2498 3013 3527 4042	2550 3064 3579 4093	2601 3116 3630 4145 4659	2653 3167 3682 4196	2704 3219 3733 4248	2755 3270 3785 4299 4814	2807 3322 3836 4351	2858 3373 3888 4402	
43 44 45 46 47		4968 5482 5997 6511	5019 5534 6048 6562	5071 5585 6099 6614	5122 5637 6151 6665	5174 5688 6202 6716 7231	5225 5739 6254 6768	5277 5791 6305 6819	5328 5842 6357 6871 7385	5379 5894 6408 6922	5431 5945 6459 6974	
48 49 8450		7539 8053	7590 8105	7642 8156	7693 8207	7745 8259		7847 8362	7899 8413	7950 8464	8002 8516	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
8450 51 52 53 54	9595 927 0109	9132 9646	9184 9698 0211	9235 $9749$ $0263$	9287 9800 0314	9338 9852 0366	9389 9903	8927 9441 9955 0468 0982	$\frac{9492}{0006}$	$\begin{array}{c} 9543 \\ \hline 0057 \\ 0571 \end{array}$	
55 56 57 58 59	1136 1650 2163 2677	1187	1239 1752 2266 2780	1290 1804 2317 2831	1342 1855 2369 2882	1393 1907 2420 2934	1444 1958 2471 2985	1496 2009 2523	1547 2061 2574 3088	1598 2112 2625 3139	
60 8461 62 63 64	3704 4217 4730 5243 5757	3755 4268 4782 5295 5808	3806 4320 4833 5346 5859	3858 4371 4884 5397 5910	3909 4422 4935 5449 5962	3960 4474 4987 5500 6013	4012 4525 5038 5551 6064	4063 4576 5089 5603 6116	4114 4628 5141 5654 6167	4166 4679 5192 5705 6218	
65 66 67 68 69 70	6783 7296 7808 8321	6834	6885 7398 7911 8424	7449 7962 8475	6988 7501 8014 8526	7039 7552 8065 8578	8116 8629	6629 7142 7655 8167 8680 9193	7193 7706 8219 8732	7244 7757 8270 8783	
8471 72 73 74 75	9347 9859 928 0372 0885	9398 9911 0423 0936	9449 9962 0475	$\begin{array}{c} 9501 \\ \hline 0013 \\ 0526 \\ 1038 \end{array}$	$\frac{9552}{0065}$	$\begin{array}{r} 9603 \\ \hline 0116 \\ 0628 \\ 1141 \end{array}$	$\begin{array}{c} 9654 \\ \hline 0167 \\ 0680 \\ 1192 \end{array}$		$\begin{array}{c} 9757 \\ \hline 0270 \\ 0782 \\ 1295 \end{array}$	$\frac{9808}{0321}$	51 1 5 2 10 3 15 4 20 5 26
76 77 78 79 80	2422 2934 3446	1961 2473 2985 3498 4010	2524 3037 3549	3088 3600	2627 3139	2678 3190 3702	2729 3241 3754	2268 2780 3293 3805 4317	2832 3344 3856	3395 3907	6 31 7 36 8 41 9 46
8481 82 83 84 85	4983 5495 6007	4522 5034 5546 6058 6570	5085 5597 6109	5136 5648 6160	5187 5699	5239 5751 6263	$\begin{array}{c} 5290 \\ 5802 \end{array}$	4829 5341 5853 6365 6877	5392 5904 6416	5443 5955	
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8491 92 93 94 95	929 0100 0611 1123	0662	$0202 \\ 0714 \\ 1225$	$0253 \\ 0765 \\ 1276$	0304	0356 0867 1378	$0407 \\ 0918 \\ 1429$	9946 0458 0969 1480 1992	$0509 \\ 1020 \\ 1532$	$0560 \\ 1071 \\ 1583$	
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27 28 29 30	7963 8472 8981 9490	$   \begin{array}{r}     8014 \\     8523 \\     9032 \\     9541 \\     \hline     0050   \end{array} $	8064 8574 9083 9592	8115 8625 9134 9643	8166 8676 9185 9694	8217 8727 9236 9745	8268 8777 9287 9796	8319 8828 9338	8370 8879 9388 9898	8421 8930 9439 9949	7 36 8 41 9 46
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04			7054						7357		7458	
05		7509				7711		7812	7862		7963	
06	8	3013	8064	8114	8165	8215	8266	8316	8367	8417	8468	
07			8568						8871			
08			9073 9578						9376 9880			
10			0082						0385			
8611			0586						0889			
12			1091						1393			
13 14			1595 2099						1897 2402			
15			2603						2906			
16	3	3057	3107	3158	3208	3259	3309	3359	3410	3460	3511	
17			3611						3914			
18 19			4115 4619						4418 4922			
20			5123						5425			
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22	6	3080	6131	6181	6231	6282	6332	6382	6433	6483	6533	1 5 2 10
$\begin{bmatrix} 23 \\ 24 \end{bmatrix}$			6634						6936			3 15
25		7087	7138 7641			7289 7792		7390 7893		7490 7994		4 20 5 25
26			8145						8447	8497		6 30
27			8648						8950			7 35 8 40
28			9152						9454			9 45
29 30			9655 0158						9957 0460			
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32			1165						1466			
33			1668						1970			
34 35			$2171 \\ 2674$		$\frac{2271}{2774}$				2473 2975	2523 3026	2573 3076	
36			3177					3428		3529		
37			3679						3981			
38			4182						4484		4584	
39 40		1635 5137		4735 5238					4987 5489	5037	5087	
8641			5690						5992			
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43	6	6645	6695	6746	6796	6846	6896	6947	6997	7047	7097	
44 45			7198			7349	7399		7499	7550		
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47			8203 8705		8805				8504 9006			
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8661 62 63 64 65	6182 6683 7184	$6733 \\ 7235$	6282 6783 7285		5881 6382 6884 7385 7886	6432 6934 7435	$6984 \\ 7485$	6533	7084 7585	6633 7134 7636	
66 67 68 69 70	9189	8738 9239 9740	8287 8788 9289 9790 0291	8838 9339 9840	9389 9890	8939 9440 9941	$\begin{array}{c} 9490 \\ 9991 \end{array}$	$\begin{array}{c} 8538 \\ 9039 \\ \underline{9540} \\ 0041 \\ 0542 \end{array}$	$\frac{9590}{0091}$	9139 9640	50
8671 72 73 74 75	1193 1693 2194	1243 $1744$ $2244$	0792 1293 1794 2294 2795	1343 1844 2344	$1894 \\ 2394$	$1944 \\ 2445$	1493 1994 2495	$\begin{array}{c} 1543 \\ 2044 \end{array}$	$\begin{array}{c} 2094 \\ 2595 \end{array}$	$\begin{array}{c} 1643 \\ 2144 \end{array}$	1 5 2 10 3 15 4 20 5 25 6 30
76 77 78 79 80	3696 4196 4697	$\frac{4247}{4747}$	3296 3796 4297 4797 5297	4347 4847		3946 4447 4947 5447	3996 4497 4997 5497	5047 5547	4096 4597 5097 5598	4146 4647 5147 5648	7 35 8 40 9 45
8681 82 83 84 85	6198 6698 7198	6248 $6748$ $7248$	6298 6798	$6848 \\ 7348$	6898 7398	6448 6948 7448	6498 6998 7498	6048 6548 7048 7548 8048	6598 7098 7598	6648 7148 7648	
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96 97 98 99 8700	3695 4194 4693	3745 4244 4743	3295 3795 4294 4793 5292	3845 4344 4843	3894 4394 4893	3944 4444	3994 4494 4993	4544 5043	4094 4593 5093	4144 4643 5143	

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8721 22 23 24 25	6161 6659 7157 7654	5713 6211 6709 7206 7704 8202	6260 6758 7256 7754	6310 6808 7306 7804	6360 6858 7356 7853	6410 6908 7405 7903	6460 6957 7455 7953	6011 6509 7007 7505 8003 8500	6559 7057 7555 8053	6609 7107 7605 8102	1 5 2 10 3 15 4 20 5 25 6 30
26 27 28 29 30	8650 9147 9645 941 0142	8700 9197 9695	8749 9247 9744 0242	8799 9297 9794 0292	8849 9346 9844 0341	8899 9396 9894 0391	8948 9446 9943 0441	8998 9496 9993 0491 0988	$\begin{array}{c} 9048 \\ 9545 \\ \hline 0043 \\ 0540 \end{array}$	$\begin{array}{c} 9098 \\ 9595 \\ \hline 0093 \end{array}$	7 35 8 40 9 45
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8771 72 73 74 75	1481 1976	0541 1036 1531 2026 2521	1085 1580 2075	1135 1630 2125	1184 1679 2174	1234 1729 2224	0788 1283 1778 2273 2768	1333 1828 2323	1382 1877 2372	1432	1 5 2 10 3 15 4 20 5 25
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96 97 98 99 8800	3346 3840 4333	2902 3395 3889 4383 4876	3445 3938 4432	3494 3988 4481	3543 4037 4531	3593 4086	3148 3642 4136 4629 5123	3691 4185 4679	3741 4234 4728	3790 4284 4777	

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06 07 08 09 10	8773 9266	7836 8329 8822 9315 9808	8379 8872 9365	8921 9414	8477 8970 9463	8527 9020 9513	8576 9069 9562	$\begin{array}{c} 8132 \\ 8625 \\ 9118 \\ \underline{9611} \\ 0104 \end{array}$	8674 9167 9660	8724 9217 9710	
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8821 22 23 24 25	5671	$\begin{array}{c} 6212 \\ 6704 \end{array}$	5769 6261 6753	5326 5818 6310 6803 7295	5867 6360 6852	5917 6409 6901	5966 6458	5523 6015 6507 7000 7492	6064 6557 7049	6606 7098	1 5 2 10 3 15 4 20 5 25
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46 47 48 49 8850	7469 7960 8451 8942	7518 8009 8500 8991	7568 8058 8549	7617 8108 8598 9089	7666 8157 8647 9138	7715 8206 8697	7764 8255 8746	7813 8304 8795 9285	7862 8353 8844	7911 8402 8893	

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56 57 58 59 60	2376 2866 3357 3847	2425 2915 3406 3896	2474 2965 3455 3945 4435	2523 3014 3504 3994	2572 3063 3553 4043	2621 3112 3602 4092	2670 3161 3651 4141 4631	2719 3210 3700 4190	2768 3259 3749 4239	2817 3308 3798 4288	
8861 62 63 64 65	5317 5807 6297 6787	5366 5856 6346 6836	6885	5464 5954 6444 6934	5513 6003 6493 6983	5562 6052 6542 7032		5660 6150 6640 7130	5709 6199 6689 7179	5758 6248 6738 7228	
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8871 72 73 74 75	948 0215 0705 1194 1684	0264 0754 1243 1733	0803 1292 1781	0362 0852 1341 1830	0411 0901 1390 1879	0460 0950 1439 1928	0020 0509 0998 1488 1977	0558 1047 1537 2026	0607 1096 1586 2075	0656 1145 1635 2124	1 5 2 10 3 15 4 20 5 25 6 29
76 77 78 79 80	2662 3151 3641 4130	2711 3200 3689 4179	2271 2760 3249 3738 4227	2809 3298 3787 4276	2858 3347 3836 4325	2907 3396 3885 4374	2467 2956 3445 3934 4423	3005 3494 3983 4472	3543 4032 4521	3102 3592 4081 4570	7 34 8 39 9 44
8881 82 83 84 85	5597 6085 6574	5157 5646 6134 6623		5743 6232 6721	5303 5792 6281 6770	5352 5841 6330 6819	4912 5401 5890 6379 6868	5450 5939 6428 6916	5988 6477 6965	5548 6037 6525 7014	
86 87 88 89 90	7552 8040 8529 9018	7601 8089 8578 9066	7161 7650 8138 8627 9115	7698 8187 8676 9164	8236 8724 9213	7796 8285 8773 9262	7356 7845 8334 8822 9311	7894 8382 8871 9360	8431 8920 9408	7992 8480 8969 9457	
8891 92 93 94 95	9995 949 0483 0971 1460	$     \begin{array}{r}       0043 \\       0532 \\       1020 \\       1508     \end{array} $	$1069 \\ 1557$	$\overline{0141}$ 0629 1118 1606	0190 0678 1167 1655	$0\overline{239}$ $0727$ $1215$ $1704$	$\frac{1264}{1752}$	$0\overline{336}$ $0825$ $1313$ $1801$	$038\overline{5}$ $0874$ $1362$ $1850$	0434 0922 1411 1899	
96 97 98 99 8900	2436 2924 3412	2485 $2973$ $3461$	2045 2534 3022 3510 3998	2582 3070 3558	2631 3119 3607	$2680 \\ 3168 \\ 3656$	2241 2729 3217 3705 4193	2778 $3266$ $3754$		2875 3363 3851	

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No.	0	1	2	3	4.	5	6	7	8	9	Diff.
8900	949 3900			4046 4534			4193 4681		4290	4339	
02				5022		5120	5169	5217	5266	5315	
03				5510				5705			
04	6339	5900 6388		5998 6486				6193 6681			
06	6827		6924		7022			7168			
07	7315	7363	7412	7461	7510	7558	7607	7656	7705	7753	
08			7900 8387	7948	7997 8485			8143 8631			
10		8826			8972		9069		9167	9216	
8911	9264	9313	9362	9411	9459	9508	9557	9606	9654	9703	
12				9898				0093			
13	950 0239		0337		0434			$0580 \\ 1067$		0678	
15		1262	1311		1408		1506	1554		1652	
16			1798		1895		1993			2139	
17				2334				2529			
18		$\frac{2723}{3210}$		2821 3308				3016 3502			
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8921		4184		4281	4330		4427		4525		1 5
22 23			4720	4768 5255	4817		4914 5401	4963	$5012 \\ 5498$		2 10
24				5742				5936		6034	3 15 4 20
25	6082	6131	6180	6228	6277	6326	6374	6423	6472	6520	5 25 6 29
26				6715			6861		6958	7007	7 34
27 28			7153 7639	7688	7250 7736		7347 7834	7882	7445 7931		8 39 9 44
29	8028	8077	8126	8174	8223	8271	8320	8369	8417	8466	
30				8660			8806			8952	
8931	9001 9487			9147 9633	9195	9244 9730		9341 9827	9390	9439 9925	
33				$\frac{5}{0}$				$\frac{0021}{0314}$			
34	951 0459				0654		0751		0848		
35		0994 1480		1091	1140	1189	1237		1334	1383	1
36				1577 $2063$	$1626 \\ 2112$		1723 $2209$		$1820 \\ 2306$		
38	2404	2452	2501	2549	2598	2646	2695	2744	2792	2841	
39			$2987 \\ 3472$		3084 3569		3181 3667	3229	$\frac{3278}{3764}$		
8941		3910		4007	4055	4104		4201		4298	
42	4347	4395	4444	4492	4541	4589	4638	4687	4735	4784	
43		4881		4978			5124		5221		
44 45			5901	5464 5949	5998	5561 6046	5609 6095	5658 6143	5706 6192	5755 6240	
46		6337			6483		6580	6629	6677	6726	
47	6774	6823	6871	6920	6969	7017	7066	7114	7163	7211	
48		7308 7794	7357	7405 7891	7454	7502	7551	7599 8085	7648	7697	
8950				8376				8570			

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No. 8950	951 8230							8570			DIII.
51	8716	8764	8813	8861	8910	8958	9007	9055	9104	9152	
52 53			9298 9783				9492 9977		$\frac{9589}{0074}$		
54	952 0171	0219	0268	0316	0365	0413	0462	0510	0559	0607	
55			0753				0947		1044 1529		
56 57		1189 1674	1723		1335 1820		1432 1917		2014		
58			2208				2401		2498		
59 60	3080	2644 3129	3177	$\begin{array}{c} 2741 \\ 3226 \end{array}$	3274	2838 3322	2886 3371		2983 3468	3032 3516	
8961	3565	3613	3662	3710	3759		3856	3904	3952	4001	
62		4098 4582		4195 4679	4243		4340 4825	4389 4873	4437		
64			5115					5358			
65			5600		5697		5794		5890		
66	5987 6472		6084 6569			6230 6714		6326 6811	6375 6859		
68	6956	7004	7053	7101	7150	7198	7247	7295	7343	7392	
69 70	7440	7489 7973	7537	7586 8070	7634 8118	7682 8167	7731 8215	7779 8263	7828 8312		
8971	8409		8505				8699		8796		48
72			8989					9231			1 5 2 10
73	9377 9861		9473 9957	$\frac{9522}{0006}$	$\frac{9570}{0054}$	$\frac{9619}{0103}$		$\frac{9715}{0199}$	$\frac{9764}{0248}$		3 14 4 19
75	953 0345	0393	0441	0490	0538		0635		0732		5 24 6 29
76		0877 1361	0925	0974 1457	1022 1506		1119	1167 1651	1215		7 34
78		1844		1941	1989	2038	2086	2135	2183	2231	8 38 9 43
79 80	2280 2763		2376 2860		$2473 \\ 2957$			2618 3102			
8981	3247				3440		3537	_	3634		
82	3731		3827	3876	3924	3972	4021	4069	4117	4166	
83	4214		4311		4407 4891			4552 5036			
85		5229		5326	5374	5422		5519			
86 87	5664		5761 6244	5809	5857 6341	5906		6002 6486	6051		
88		6679	6727		6824			6969			
89 90	7114	7162 7645	7210 7694	7259	7307 7790	7355	7404	7452 7935	7500	7549 8032	
8991		8128		8225	8273		8370			8515	
92	8563	8611	8660	8708	8756	8804	8853	8901	8949	8998	
93	9046 9529	9094 9577	9143 9625	9191 9674	$9239 \\ 9722$		9336 9819	9384 9867			
95	954 0012				0205			0350			
96			0591		0688		0784		0881		
97 98	1460	$1025 \\ 1508$		1122 1605	1170 1653	$\frac{1219}{1701}$		1798	1363 1846		
99	1943	1991	2039	2087	2136	2184	2232	2280	2329	2377	- 0
5000	2425	2473	2522	2570	2618	2666	2715	2763	2811	2859	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9000 01 02 03 04 05	3390 3873 4355	2956 3438 3921 4403	3004 3487 3969	3052 3535 4017 4500	3583 4065	3631 4114 4596		2763 3245 3728 4210 4692 5175	$\begin{array}{c} 4258 \\ 4741 \end{array}$	3824 4307	
06 07 08 09 10	6284 6766	5368 5850 6332 6814 7296	$\begin{array}{c} 6380 \\ 6862 \end{array}$	5946 6428 6910	5994 6477	6043 6525 7007	6091	5657 6139 6621 7103 7585	$\begin{array}{c} 6187 \\ 6669 \end{array}$	5753 6236 6718 7200 7682	
9011 12 13 14 15	8212 8694 9176	7778 8260 8742 9224 9705	8308 8790 9272	8356 8838	8405 8886 9368	8453 8935 9416	8501 8983 9465	8067 8549 9031 9513 9995	8597 9079 9561	8646 9127	
16 17 18 19 20	1102 1584	0187 0669 1150 1632 2114	0717 1199 1680	0765	0813 1295 1776	0862 $1343$ $1825$	0910 1391 1873	0476 0958 1439 1921 2402	1006 1488 1969	1054 1536 2017	48
9021 22 23 24 25	3028 3510 3991	2595 3076 3558 4039 4520	3125 3606 4087	3654	3221 3702 4183	3269 3750 4231	3798	2884 3365 3846 4328 4809	3413 3895 4376	3943	1 5 2 10 3 14 4 19 5 24
26 27 28 29 30	5434 5916 6397	5001 5483 5964 6445 6926	5531 6012 6493	5579 6060 6541	5627 6108	5675 6156 6637	$\begin{array}{c} 6204 \\ 6685 \end{array}$	5290 5771 6252 6733 7214	5819 6300 6781	5867 6348	6 29 7 34 8 38 9 43
9031 32 33 34 35	7839 8320 8801	7407 7887 8368 8849 9330	8416 8897	7984 8464 8945	8512	8080 8560 9041	8609 9089	7695 8176 8657 9137 9618	8705 9185	8753 9234	
36 37 38 39 40	956 0243 0723 1204	0771	$0339 \\ 0819 \\ 1300$	0387 0868 1348	0435 0916 1396	0483 0964 1444		0099 0579 1060 1540 2021	0627 $1108$ $1588$	$0675 \\ 1156 \\ 1636$	
9041 42 43 44 45	3606		3702	2789 3269 3750	2837	2885 3365 3846	$\frac{2933}{3413}$	2501 2981 3461 3942 4422	3029 3509	3077	
46 47 48 49 9050	5046 5526 6006	4614 5094 5574 6054 6534	5142 5622 6102	5190 5670 6150	5238 5718 6198	5286 5766 6246	$5814 \\ 6294$	4902 5382 5862 6342 6822	5430 5910 6390	5958 6438	

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No.	0	1	2	3	4	5	6	7	8	9	Diff.
9050 51 52 53 54 55	7445 7925 8405	7014 7493 7973	7062 7541 8021 8501	7110 7589 8069 8549	8117 8597	7685 8165 8645	7254 7733 8213 8693	6822 7302 7781 8261 8741 9220	7349 7829 8309 8789	8357 8837	
56 57 58 59 60 9061	9844 957 0323 0803 1282	9412 9892 0371 0851 1330 1809	9940 0419 0898 1378	9988 0467 0946 1426	0035 0515 0994 1474	$     \begin{array}{r}       \overline{0083} \\       0563 \\       1042 \\       1522     \end{array} $	$\begin{array}{c} 0611 \\ 1090 \end{array}$	0179 0659 1138 1618	0707 1186	$     \begin{array}{r}       \hline       0275 \\       0755 \\       1234 \\       1713     \end{array} $	
62 63 64 65	2720 3199 3678	2289 2768 3247 3726	2816 3295 3774	2864 3343 3822	2911 3391 3870	2959 3439 3918	3007 3486 3966	2576 3055 3534 4013	3103 3582 4061	3151 3630 4109	
66 67 68 69 70	4636 5115 5594 6073	4205 4684 5163 5642 6121	4732 5211 5690 6169	4780 5259 5738 6217	4828 5307 5786 6264	4876 5355 5833 6312	4924 5402 5881 6360	4492 4971 5450 5929 6408	5019 5498 5977 6456	5067 5546 6025 6504	48
9071 72 73 74 75	7030 7509 7988	6600 7078 7557 8036 8514	7126 7605 8083	7174 7653	7222 7701 8179	7270 7748 8227	7318 7796 8275	6887 7366 7844 8323 8801	7413 7892 8371	7461 7940	1 5 2 10 3 14 4 19 5 24 6 29
76 77 78 79 80	9423 9902 958 0380 0858	0906	9519 9997 0476 0954	$\begin{array}{c} 9567 \\ \hline 0045 \\ 0524 \\ 1002 \end{array}$	$0093 \\ 0571 \\ 1050$	$\begin{array}{r} 9663 \\ \hline 0141 \\ 0619 \\ 1098 \end{array}$	0189 0667 1145	$\begin{array}{c} 9280 \\ \underline{9758} \\ \overline{0237} \\ 0715 \\ 1193 \end{array}$	$\begin{array}{c} 9806 \\ \hline 0284 \\ 0763 \\ 1241 \end{array}$	$\begin{array}{c} 9854 \\ \hline 0332 \\ 0811 \\ 1289 \end{array}$	7 34 8 38 9 43
9081 82 83 84 85	1815 2293 2771 3249		1911 2389 2867 3345	2437 2915 3393	1528 2006 2484 2962 3441	2054 2532 3010 3488	2580 3058 3536	2150 2628 3106 3584	2198 2676 3154 3632	2245 2723 3202 3680	
86 87 88 89 90	4205 4683 5161 5639	3775 4253 4731 5209 5687	4301 4779 5257 5734	4349 4827 5304 5782	5352 5830	4444 4922 5400 5878	4492 4970 5448 5925	5973	4588 5065 5543 6021	4635 5113 5591 6069	
9091 92 93 94 95	6594 7072 7549	6164 6642 7120 7597 8075	6690 7167 7645	7215 7693	6785	6833 7311 7788	7358 7836	6929 7406 7884	7454 7932	7024 7502 7979	
96 97 98 99 9100	8982 9459	9984	$9077 \\ 9555 \\ \hline 0032$	$\begin{array}{c} 9125 \\ \underline{9603} \\ \overline{0080} \end{array}$	$\begin{array}{c} 8695 \\ 9173 \\ \underline{9650} \\ 0128 \\ 0605 \end{array}$	$\begin{array}{c} 9221 \\ \underline{9698} \\ 0175 \end{array}$	$\begin{array}{c} 9268 \\ \underline{9746} \\ 0223 \end{array}$		$\begin{array}{c} 9364 \\ \underline{9841} \\ \overline{0318} \end{array}$	$\begin{array}{c} 9412 \\ 9889 \\ \hline 0366 \end{array}$	

N 167

No.	0	1	2	3	4	5	6	7	3	9	Diff.
9100 01 02 03 04 05	1368	0939 1416 1893 2370	0987 1464 1941 2418	1034 1511	1082 1559 2036 2513	1130 1607 2084 2561	1177 1655 2132 2609	0748 1225 1702 2179 2656 3133	1273 1750 2227 2704	1321 1798 2275 2752	
06 07 08 09 10	3276 3753 4230 4707		3372 3849 4326 4802	3420 3896 4373 4850	3467 3944 4421 4898	3515 3992 4469 4945	3563 4039 4516 4993	3610 4087 4564	3658 4135 4612 5088	3706 4183 4659 5136	
9111 12 13 14 15	6137 6614 7090 7567	5708 6185 6661 7138 7614	6232 6709 7186 7662	6280 6757 7233 7710	6328 6804 7281 7757	6375 6852 7328 7805	6423 6900 7376 7853	7424 7900	6518 6995 7471 7948.	6566 7043 7519 7996	
16 17 18 19 20	8520 8996 9472 9948	8091 8567 9044 9520 9996	$\begin{array}{c} 8615 \\ 9091 \\ \underline{9567} \\ \overline{0044} \end{array}$	$\begin{array}{c} 8662 \\ 9139 \\ \underline{9615} \\ \overline{0091} \end{array}$	$\begin{array}{c} 8710 \\ 9186 \\ \underline{9663} \\ 0139 \end{array}$	$\begin{array}{c} 8758 \\ 9234 \\ \underline{9710} \\ \overline{0186} \end{array}$	$\begin{array}{c} 8805 \\ 9282 \\ \underline{9758} \\ 0234 \end{array}$		$\begin{array}{c} 8901 \\ 9377 \\ \underline{9853} \\ 0329 \end{array}$	$\overline{0377}$	48
9121 22 23 24 25	1377 1853 2329	0948 1424 1900 2376	0996 1472 1948 2424	1044 1520 1996 2472	1091 1567 2043 2519	1139 1615 2091 2567	1186 1662 2138 2614	0758 1234 1710 2186 2662	1282 1758 2234 2709	1329 1805 2281 2757	1 5 2 10 3 14 4 19 5 24 6 29
26 27 28 29 30	3756 4232 4708	3328 3804 4280 4755	3376 3851 4327 4803	3899 4375 4850	3471 3947 4422 4898	3518 3994 4470 4946	3566 4042 4517 4993	3138 3614 4089 4565 5041	3661 4137 4613 5088	3709 4184 4660 5136	7 34 8 38 9 43
9131 32 33 34 35	5659 6135 6610 7086	5231 5707 6182 6658 7133	5754 6230 6705 7181	5802 6277 6753 7228	5849 6325 6800 7276	6372 6848 7323	5944 6420 6895 7371	7418	6039 6515 6990 7466	6087 6563 7038 7513	
36 37 38 39 40	8036 8512 8987 9462	7608 8084 8559 9034 9509	8131 8607 9082 9557	8179 8654 9129 9605	8226 8702 9177 9652	8274 8749 9224 9700	8321 8797 9272 9747	9319 9795	8892 9367 9842	8464 8939 9414 9890	
9141 42 43 44 45	961 0412 0887 1362 1837	0935 1410 1885	0507 0982 1457 1932	0555 1030 1505 1980	0602 1077 1552 2027	0650 1125 1600 2075	0697 1172 1647 2122	1695 2170	0792 1267 1742 2217	0840 1315 1790 2264	
46 47 48 49 9150	3262 3736	2359 2834 3309 3784 4258	2882 3357 3831	2929 3404 3879	3451 3926	3024 3499 3974	3072 3546 4021	2644 3119 3594 4069 4543	3167 3641 4116	3214 3689 4163	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9150 51 52 53 54 55	5160 5635 6109		4780 5255 5730	4828 5302 5777 6251	4875 5350	4923 5397 5872 6346	4970 5445 5919 6394	4543 5018 5492 5967 6441 6916	5065 5540 6014 6489	5113 5587 6062 6536	
56 57 58 59 60	7532 8006 8481	7105 7580 8054 8528 9002	7627 8101 8575	7674 8149 8623		7769 8243 8718		7864 8338 8812		8433 8907	
9161 62 63 64 65	$9903 \\ 9620377 \\ 0851$	9476 9950 0424 0898 1372	9998 0472 0946	$\begin{array}{c} \overline{0045} \\ 0519 \\ 0993 \end{array}$	$\overline{0}\overline{0}\overline{9}\overline{2}$	$ \begin{array}{r} \overline{0140} \\ 0614 \\ 1088 \end{array} $		$\begin{array}{c} \overline{0235} \\ 0709 \\ 1183 \end{array}$	$\overline{0282}$	$     \begin{array}{r}       0329 \\       0803 \\       1277     \end{array} $	
66 67 68 69 70	2272 2746 3220	1846 2320 2793 3267 3741	$2367 \\ 2841 \\ 3314$	$2414 \\ 2888 \\ 3362$	2462 2936 3409	2509 2983 3457	3030	$2604 \\ 3078 \\ 3551$	3125	2699	47
9171 72 73 74 75	4640 5114 5587	4214 4688 5161 5635 6108	4735 5209 5682	4783 5256 5729	4830 5303	4877 5351 5824	5398 5871	4498 4972 5445 5919 6392	5493 5966	5540	1 5 2 9 3 14 4 19 5 24
76 77 78 79 80	7007 7481 7954	6581 7055 7528 8001 8474	7102 7575 8048	7149 7622 8096	7197 7670	7244 7717 8190	7291 7764 8238	6865 7339 7812 8285 8758	7386 7859 8332	7433 7906 8380	6 28 7 33 8 38 9 42
9181 82 83 84 85	9373 9846 963 0319	8947 9420 9893 0366 0839	9467 9940 0413	9515 9988 0461	$\begin{array}{c} \overline{0035} \\ 0508 \end{array}$	$\begin{array}{c} 9609 \\ \hline 0082 \\ 0555 \end{array}$	$\begin{array}{c} 9184 \\ \underline{9657} \\ \overline{0130} \\ 0602 \\ 1075 \end{array}$	$\frac{9704}{0177}$ 0650	$\begin{array}{c} 9278 \\ \underline{9751} \\ 0224 \\ 0697 \\ 1170 \end{array}$	$\frac{9799}{0271}$	
86 87 88 89 90	1737 2210 2683	1312 1784 2257 2730 3202	1832 $2304$ $2777$	2824	1926	1974 2446 2919	2021 $2493$ $2966$	1595 2068 2541 3013 3486	2115 2588 3061	2163 2635 3108	
9191 92 93 94 95	4100 4573 5045	3675 4147 4620 5092 5565	4195 4667 5139	4242 4714 5187		4336 4809 5281	5328		5423	4525 4998 5470	
96 97 98 99 9200	6462 6934 7406	6037 6509 6981 7453 7925	6556 7028 7501	7076 7548	6179 6651 7123 7595 8067	6698 7170	6745 7217 7689		6840 7312 7784	6415 6887 7359 7831 8303	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
9200 01 02 03 04 05	8822 9294	8398 8869 9341 9813	8445 8917 9389 9860	8492 8964 9436 9908	8539 9011 9483 9955	$\begin{array}{r} 8586 \\ 9058 \\ \underline{9530} \\ \hline 0002 \end{array}$	$\begin{array}{c} 8634 \\ 9105 \\ \underline{9577} \\ \overline{0049} \end{array}$	$\begin{array}{c} 8209 \\ 8681 \\ 9153 \\ \underline{9625} \\ \overline{0096} \\ 0568 \end{array}$	$\begin{array}{c} 8728 \\ 9200 \\ \underline{9672} \\ \overline{0144} \end{array}$	$\begin{array}{c} 8775 \\ 9247 \\ \underline{9719} \\ 0191 \end{array}$	
06 07 08 09 10	1181 1653 2125 2596	0757 1229 1700 2172 2643	1276 1747 2219 2691	1323 1795 2266 2738	1370 1842 2313 2785	1417 1889 2361 2832	1936 2408 2879	1512 1983 2455 2926	$\begin{array}{c} 2502 \\ 2974 \end{array}$	1606 2078 2549 3021	
9211 12 13 14 15	3539 4011 4482 4953	4058 4529 5001	3634 4105 4576 5048	3681 4152 4623 5095	3728 4199 4671 5142	3775 4246 4718 5189	3822 4294 4765 5236	3398 3869 4341 4812 5283	3916 4388 4859 5330	3964 4435 4906 5378	
16 17 18 19 20	6367 6838 7309	5943 6414 6885 7356	6461 6932 7403	6037 6508 6979 7451	6084 6555 7027 7498	6131 6603 7074 7545	6179 6650 7121 7592	5755 6226 6697 7168 7639	6273 6744 7215 7686	6320 6791 7262 7733	47
9221 22 23 24 25	8251 8722 9193	7827 8298 8769 9240 9711	8345 8816 9287	8392 8863 9334	8440 8910 9381	8487 8958 9428 9899	8534 9005 9475 9946	9523 9993	$8628 \\ 9099 \\ 9570 \\ \hline 0040$	$\begin{array}{c} 8675 \\ 9146 \\ \underline{9617} \\ 0087 \end{array}$	1 5 2 9 3 14 4 19 5 24 6 28
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9231 32 33 34 35	2958 3428	2535 3005 3475 3946 4416	3052 3522 3993	3099 3569 4040	3146 3617	3193 3664 4134 4604	3240 3711 4181 4651	2817 3287 3758 4228 4698	3334 3805 4275 4745	3381 3852 4322 4792	
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22 23 24 25 26	3105 3556 4007 4459	2699 3150 3601 4053 4504	3195 3646 4098 4549	3240 3692 4143 4594	3285 3737 4188 4639	3331 3782 4233 4684	3376 3827 4278 4729	4774	3466 3917 4368 4819	3511 3962 4413 4865	2 9 3 14 4 18 5 23 6 27 7 32
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76 77 78 79 80	8305	7003 7452 7901 8350 8798	7946 8395	7991 8440	7587 8036 8484	7632 8081 8529	8574	7273 7722 8170 8619 9068	8664	8260 8709	6 27 7 32 8 36 9 41
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46 47 48 49 9750	8710 9155	8309 8754 9200 9645 0091	8799 9244 9690	8843 9289 9734	8888 9333 9779	8932 9378 9823	8977 9423 9868	8576 9022 9467 9913 0358	9066 9512 9957	$\begin{array}{c} 9111 \\ \underline{9556} \\ \overline{0002} \end{array}$	

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66 67 68 69 70	7612 8057 8501 8946	7212 7656 8101 8546 8990	7701 8145 8590 9035	7745 8190 8634 9079	7790 8234 8679 9123	7834 8279 8723 9168	8323 8768 9212	7923 8368 8812 9257	8412 8857 9301	8012 8457 8901 9346	44
9771 72 73 74 75	990 0279 0723 1168	9879 0323 0768 1212	$0368 \\ 0812 \\ 1257$	9968 0412 0857 1301	0457 0901 1345	0057 0501 0946 1390	0546 0990 1434		$0634 \\ 1079 \\ 1523$	0679 1123 1568	1 4 2 9 3 13 4 18 5 22 6 26
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26 27 28 29 30	4:	210 651 093	3812 4254 4696 5138 5579	4298 4740 5182	4342 4784 5226	4386 4828 5270	4431 4872 5314	4917 5358	4519 4961	5005 5447	4607 5049 5491	6 26 7 31 8 35 9 40
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76 77 78 79 80	6251 6690 7130 7569	5855 6295 6734 7174 7613	6338 6778 7218 7657	6822 $7262$ $7701$		6470 6910 7350 7789	6514 6954 7394 7833	7438 7877	6602 7042 7482 7921	6207 6646 7086 7525 7965	7 31 8 35 9 40
9881 82 83 84 85	8448 8888 9327 9767	9811	8536 8976 9415 9855	8580 9020 9459 9899	9064 9503 9942	8668 9108 9547 9986	$\begin{array}{c} 9152 \\ \underline{9591} \\ 0030 \end{array}$	$\begin{array}{c} 8756 \\ 9196 \\ \underline{9635} \\ 0074 \end{array}$	$\begin{array}{c} 9239 \\ \underline{9679} \\ 0118 \end{array}$	$9283 \\ 9723 \\ \hline 0162$	
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22 23 24 25 26	5992 6430 6868	2 6036 6474 6 6911 6 7349	6080 6517 6955	6124 6561 6999 743 <b>6</b>	6167 6605 7043 7480	6211 6649 7086	6255 6693 7130 7568	6299 6736 7174 7611	6342 6780 7218 7655	6386 6824 7261 7699	1 4 2 9 3 13 4 18 5 22 6 26
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77 78 79 80 9981	999 0000 0435 0870 1305		0087 0522 0957 1392	0130 0566 1001 1436	0174 0609 1044 1479	0217 0653 1088 1523	0261 0696 1131 1567	0304 0740 1175	0348 0783 1218 1654	0391 0827 1262 1697	7 30 8 34 9 39
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No.			0	1	2	3	4	5	6	7	8	9	Diff.
1000			0000			1303			2606		3474		
0 0			4343		5211 9553	5645 9988	$\frac{6080}{0422}$	6514	$\frac{6948}{1290}$	$\frac{7382}{1724}$	$\frac{7817}{2159}$	$\frac{8251}{2593}$	
0			3027	3461	-		4764	0856	5632	6066	6500		435
0			7368	7802	8237	8671		9539	9973	$\frac{0000}{0407}$	$\frac{0841}{0841}$		1 44
0	5 00	002	1709	2143	2577	3012	3446	3880	4314	4748	5182	5616	2 87
0	-			6484		7352	7786	8220	8654		9522	9956	3 131 4 174
0			0390		1258	1692	2126	2560	2994	3428	3862	4296	5 218
0	-		9069	5164 9503		$\frac{6031}{0371}$	$\frac{6465}{0805}$	$\frac{6899}{1238}$	$\frac{7333}{1672}$	$\frac{7767}{2106}$	$\frac{8201}{2540}$		6 261 7 305
1	-		3408		4275	4709	5143	5577		6445		7312	8 348
1001	1		7746	8180	8614	9048	9481	9915	0349	0783	$\overline{1217}$	$\overline{1650}$	9 392
					2952	3385	3819	4253	4687	5120	5554	5988	
	3		6422	6855	7289	7723	8157	8590			9891		
	4 00		0759 5095	1192 5529	1626 5963	2060 6396	2493 6830		7697	8131	4228 8564		434
1				9865		$\overline{0732}$	$\frac{1166}{1166}$	$\frac{1201}{1600}$		$\frac{3131}{2467}$	$\overline{2900}$	$\frac{3334}{3334}$	1 43
1 1			3767		4634	5068	5502	5935	6369	6802	7236	7669	2 87
1							9837	-	$\bar{0}\bar{7}\bar{0}\bar{4}$	$\overline{1137}$	$\overline{1571}$		3 130 4 174
1				2871	3305		4172		5038		5905	-	5 217
2				7206	7639		8506	8939			0239	0673	6 260
1002		-	1106		1973	2406	2840	3273	3706	4140	4573	5006	7 304 8 347
	2 3		5440 9773	$\frac{5873}{0206}$	$\frac{6307}{0640}$	$\frac{6740}{1073}$	$\frac{7173}{1506}$	$\frac{7606}{1939}$	$\frac{8040}{2373}$	$\frac{8473}{2806}$	$\frac{8906}{3239}$	$\frac{9340}{3673}$	9 391
2				4539			5839		6705	7138	7572	8005	
2	5		8438	8871	9305	9738	$\overline{0171}$	$\overline{0604}$		$\overline{1471}$	1904	$\overline{2337}$	
2		11	2770	3203	3636	4070	4503		5369	5802	6235	6668	400
2			7101		7968	8401					0566		433
$\begin{vmatrix} 2\\2 \end{vmatrix}$				1866 6196		$\frac{2732}{7062}$	3165 7495			4464 8794		5330 9660	1 43 2 87
3	-			0526			1825			3124		3990	3 130
1003	1		4423	4856	5289		6155	6588	7021	7454	7887	8319	4 173 5 217
3				9185		$\frac{0051}{0051}$				$\frac{1783}{1783}$		$\frac{3613}{2648}$	6 260
1			3081	3514		4380			5678			6977	7 303
3 3	- 1		7410			8708 3036	9141 3469			0439		1305	8 346 9 390
1			1738					3902	4334		5200		
3	6 00		0392	6498		1690	7796	8229 2556		9094	9527 3854	9960	
3			4719		5584						8180		
3	- 1			9478		$\overline{0}3\overline{4}\overline{3}$	0776	$\overline{1208}$	$\overline{1641}$	$\overline{2074}$			432
4	0 00	17	3371	3804	4236	4669	5102	5534	5967	6399	6832	7264	1 43 2 86
1004	_			8129		8994		9859	$\overline{0292}$	0724	1157		3 130
4			2022 6346	6779	2887 7211	3319 7644		4184	4616 8941	5049 9373	5481 9806		4 173
4					1535	1968		2832	3265	3697		4562	5 216 6 259
1 -	5			5426		6291				8020		8885	7 302
4	6		9317	9750	$\overline{0182}$	$\overline{0614}$	1047	$\overline{1479}$	$\overline{1911}$	$\overline{2343}$	$\overline{2776}$	$\overline{3208}$	8 346 9 389
4			3640		4505	4937	5369	5801	6234	6666	7098	7530	000
	8		7963		8827	9259				0988	1420		
1005				2717 7038	3149 7470	3581 7903			4878	5310 9631	$\frac{5742}{0063}$	$\frac{6174}{0495}$	
1000	00	22	3000	, , , ,		, , , ,	3000	0,01	5200		0000	3100	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
10050 51 52 53 54 55	5248	$7038 \\ 1359 \\ \underline{5680} \\ 0000 \\ 4320 \\ 8639$	$7470 \\ 1791 \\ 6112 \\ \hline 0432 \\ 4752 \\ 9071$	$\begin{array}{r} 6544 \\ \hline 0864 \\ 5184 \end{array}$	$\overline{1296}$	$\frac{7408}{1728}$	$\begin{array}{c} 9199 \\ 3520 \\ \underline{7840} \\ \underline{2160} \\ \underline{6480} \\ 0799 \end{array}$	$\frac{8272}{2592}$	$\begin{array}{r} \overline{0063} \\ 4384 \\ \underline{8704} \\ 3024 \\ \underline{7344} \\ 1663 \end{array}$		433 1 43 2 87
56 57 58 59 60 10061	0025 1163 5481 9798 0026 4115	7277  1595  5913  0230  4547	$2027 \\ \underline{6344} \\ 0661 \\ 4978$	$\frac{6776}{1093}$ 5410	$2890 \\ 7208 \\ \hline 1525 \\ 5842$	$9004 \\ 3322 \\ 7639 \\ \hline 1957 \\ 6273$	$\frac{3754}{8071}$ $\frac{8071}{2388}$ $6705$	$\begin{array}{c} 9868 \\ 4186 \\ \underline{8503} \\ \overline{2820} \\ 7136 \end{array}$	$4617 \\ \underline{8935} \\ \overline{3252} \\ 7568$	$   \begin{array}{r}     \hline       0731 \\       5049 \\       \hline       9366 \\       \hline       3683 \\       \hline       8000 \\   \end{array} $	3 130 4 173 5 217 6 260 7 303 8 346 9 390
62 63 64 65 66 67	0027 2747 7063 0028 1378	8863 3179 7494 1809 6124 0438	3610 7926 2241 6555	4042 8357 2672 6987	4474 8789 3104 7418	4905 9220 3535 7850	5337 9652 3967 8281	4398	$\frac{6200}{0515} \\ 4830 \\ 9144$	$6631 \\ 0946 \\ 5261 \\ 9575$	432 1 43 2 86
68 69 70 10071 72	4321	4752 9065 3378 7691	5183 9497 3810 8122	5615 9928 4241 8553	$\frac{6046}{0359}$ $4672$ $8984$	$\frac{6477}{0791}$ 5103 9416	$6909 \over 1222 \\ 5535 \\ 9847$		$7771 \over 2084 \\ 6397 \\ \hline 0709$	$\begin{array}{r} 8203 \\ \hline 2516 \\ 6828 \\ \hline 1141 \end{array}$	3 130 4 173 5 216 6 259 7 302 8 346
73 74 75 76 77	0032 0195 4505 8816 0033 3126	4937 9247 3557	1057 5368 9678 3988	$1488 \\ 5799 \\ \hline 0109 \\ 4419$	$1919 \\ 6230 \\ \hline 0540 \\ 4850$	$2350 \\ 6661 \\ \hline 0971 \\ 5281$	$2781 \\ 7092 \\ \hline 1402 \\ 5712$	6143	3643 $7954$ $2264$ $6574$	$4074 \\ 8385 \\ \hline 2695 \\ 7004$	9 389
78 79 80 10081 82 83	0034 1745 6053 0035 0361 4669	6484	2606 6915 1223 5531	3037 7346 1654 5962	3468 7777 2085 6392	3899	4330 8638 2946 7254	0452 $4761$ $9069$ $3377$ $7685$ $1992$	5192 9500 3808		1 43 2 86 3 129 4 172 5 216 6 259 7 302
84 85 86 87 88	0036 3284 7590 0037 1896 6202 0038 0507	3714 8021 2327 6633 0938	4145 8452 2758 7063 1368	4576 8882 3188 7494 1799	5006 9313 3619 7924 2229	5437 9743 4049 8355 2660	$\frac{5868}{0174}$ $4480$ $8785$ $3090$	$\begin{array}{c} 6298 \\ \hline 0605 \\ 4910 \\ 9216 \\ 3521 \\ \end{array}$	6729 1035 5341 9646 3951	$\begin{array}{c} 7160 \\ \hline 1466 \\ \hline 5772 \\ \hline 0077 \\ 4382 \\ \end{array}$	8 345 9 388
89 90 10091 92 93 94	0039 3421 7724 0040 2027	8155	4281 8585 2888	0408 4712 9015 3318	5142 9445 3748	5572 9876 4179	$\frac{6003}{0306} \\ 4609$	$\overline{0736}$	$\frac{6864}{1167}$ $5470$	7294 1597 5900	430 1 43 2 86 3 129 4 172 5 215 6 258
95 96 97 98 99	0041 0632	1063 5364 9666 3967	$   \begin{array}{r}     1493 \\     \hline     5795 \\     \hline     0096 \\     4397   \end{array} $	1923	$\begin{array}{c} 2353 \\ \underline{6655} \\ 0956 \end{array}$			$3644 \\ 7945 \\ \hline 2246$	$\frac{4074}{8375}$ $\frac{8375}{2676}$	$\frac{4504}{8806} \\ \hline 3107$	7 301 8 344 9 387
10100	0043 2137	2567	2997	3427	3857	4287	4717	5147	5577	6007	1

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10100 01 02 03 04		$\begin{array}{c} 0736 \\ 5035 \end{array}$	2567 6867 1166 5465 9764	$\begin{array}{c} 2997 \\ 7297 \\ 1596 \\ \underline{5895} \\ 0193 \end{array}$	$\begin{array}{c} 2026 \\ 6325 \end{array}$	3857 $8157$ $2456$ $6755$ $1053$	$\begin{array}{c} 4287 \\ 8587 \\ 2886 \\ \hline 7185 \\ \hline 1483 \end{array}$	3316	$5147 \\ 9447 \\ 3746 \\ \underline{8044} \\ \underline{2342}$	9877 4176	$\overline{0307}$	430
05 06 07 08 09	0046	$\begin{array}{c} 6523 \\ 0820 \end{array}$	1249	7383 1679	9219 3516 7812 2108	9648 3945 8242 2538	2968	0508 4805 9101 3397	9531 3827		4686	1 43 2 86 3 129 4 172 5 215 6 258 7 301
10 10111 12 13 14 15		9411 3706 8001 2295	9841 4136 8430	0270 4565 8860 3154	4995	1129 5424 9718 4012	$7263 \\ \hline 1559 \\ 5853 \\ \hline 0148 \\ 4442 \\ 8735$	$7693$ $\overline{1988}$ $6283$ $\overline{0577}$ $4871$ $9165$	$\begin{array}{r} \overline{2418} \\ 6712 \\ \overline{1007} \end{array}$	$ \begin{array}{r} 8552 \\ \hline 2847 \\ 7142 \\ \hline 1436 \\ 5730 \\ \hline 00000 \end{array} $	$     \begin{array}{r}       \hline       3277 \\       7571 \\       \hline       1866     \end{array} $	8 344 9 387
16 17 18 19 20	0051	0882 5175 9468 3760	1311 5604 9897 4189	1741 6034 0326 4618 8910	$\begin{array}{c} 2170 \\ \underline{6463} \\ 0755 \\ 5047 \end{array}$	$\begin{array}{c} 2599 \\ \underline{6892} \\ 1184 \\ 5476 \end{array}$	3029 $7321$ $1614$ $5905$	3458 7751	3887		$4746 \\ \underline{9038} \\ \overline{3330} \\ 7622$	429 1 43 2 86 3 129 4 172 5 215
10121 22 23 24 25	0052 0053		2772 7062 1353 5643	3201 7491	3630 7920 2211	4059 8350 2640	4488 8779 3069 7358 1648	4917 9208	5346 963 <b>7</b>	$\frac{5775}{0066}$	6204	6 257 7 300 8 343 9 386
26 27 28 29 30	0054 0055	3792 8081 2369 6657	4221 8510 2798 7086	4650 8939 3227 7515 1802	9368 3656 7943	4084 8372	$\frac{5937}{0225}$ $\frac{4513}{8801}$ $\frac{3088}{3088}$	$0654 \\ 4942 \\ 9230$	6794 1083 5371 9658 3945	$\begin{array}{r} 7223 \\ \hline 1512 \\ 5800 \\ \hline 0087 \\ 4374 \end{array}$	$\overline{0516}$	428 1 43 2 86 3 128
10131 32 33 34 34	0057	9518 3804 8090	9947 4233 8519	$\begin{array}{r} 6089 \\ \hline 0375 \\ 4661 \\ 8947 \\ 3232 \end{array}$	0804 5090 9376	$12\overline{33}$ $5519$ $9804$	$\begin{array}{r} 7375 \\ \hline 1661 \\ 5947 \\ \hline 0233 \\ 4518 \end{array}$	$\begin{array}{c} \overline{2090} \\ 6376 \\ \overline{0661} \end{array}$	$\overline{1090}$	-	$\begin{array}{r} 9089 \\ \hline 3376 \\ 7661 \\ \hline 1947 \\ 6232 \end{array}$	4 171 5 214 6 257 7 300 8 342 9 385
36 37 38 39 40	0059	0945 5229 9512	1373		2230	2658	8802 3087 7371 1654 5937	$\begin{array}{c} 3515 \\ 7799 \\ \hline 2082 \end{array}$		$     \begin{array}{r}       \hline       0088 \\       4372 \\       \underline{8656} \\       \hline       2939 \\       7222     \end{array} $	0516 4800 9084 3367 7650	427 1 43
10141 42 43 44 45	0061 0062	2361 6643 0924	1352		7927 2208	9791 4073 8355 2637 6917	4502 8783 3065		5358 9640	1504 5786 0068 4349 8630	$   \begin{array}{r}     \hline       1932 \\       6214 \\       \hline       0496 \\       4777 \\       9058   \end{array} $	2 85 3 128 4 171 5 214 6 256 7 299
46 47 48 49 10150	0063 0064	3766 8046	4194 8474 2753	8902 3181	5050 9330 3609	4037	$ \begin{array}{r}     \hline     1626 \\     5906 \\     \hline     0186 \\     4465 \end{array} $	$\overline{0614}$	$\begin{array}{c} 6762 \\ \hline 1041 \\ 5321 \end{array}$	2910 7190 1469 5748	3338 7618 1897 6176	8 342 9 384

No.	0	1	2	3	4	5	6	7	8	9	Diff.
10150 51 52 53 54	5161 9439 0066 3716	1311 5589 9866 4144	$\begin{array}{c} 1738 \\ \underline{6016} \\ 0294 \\ 4571 \end{array}$	$\begin{array}{c} 2166 \\ \underline{6444} \\ 07\overline{22} \\ 4999 \end{array}$	8316 2594 6872 1150 5427	8744 3022 7300 1577 5854	$3450 \\ 7728 \\ \hline 2005 \\ 6282$	$\frac{8155}{2433}$ $6710$	$4305 \\ 8583 \\ \hline 2860 \\ 7137$	$   \begin{array}{r}     \hline       0455 \\       4733 \\       9011 \\       \hline       3288 \\       7565 \\       \hline       1848 \\    \end{array} $	428 1 43
55 56 57 58 59 60	0068 0821 5096	8420 2697 6973 1248 5524 9798		7828	9703 $3980$ $8256$ $2531$ $6806$ $1081$	$\begin{array}{c} 0131 \\ 4407 \\ 8683 \\ 2958 \\ 7233 \\ \hline 1508 \end{array}$	0559 $4835$ $9111$ $3386$ $7661$ $1935$	0986 $5262$ $9538$ $3814$ $8088$ $2363$		$ \begin{array}{r} 1842 \\ \underline{6118} \\ 0393 \\ 4669 \\ \underline{8943} \\ \overline{3218} \end{array} $	2 86 3 128 4 171 5 214 6 257 7 300 8 342
10161 62 63 64 65	0069 3645 7919 0070 2193 6466	4073 8346 2620 6893	4500 8774 3047 7320 1593	4927 9201 3475 7747	5355 9629 3902 8175 2447	$\begin{array}{c} 5782 \\ \hline 0056 \\ 4329 \\ 8602 \\ 2874 \end{array}$	$\begin{array}{c} 6210 \\ \hline 0483 \\ 4756 \\ 9029 \end{array}$	$\tfrac{6637}{0911}$	7064	$\begin{array}{r} 7492 \\ \hline 1765 \\ 6038 \\ \hline 0311 \end{array}$	9 385
66 67 68 69 70	5011 9282 0072 3554 7825 0073 2095	5438 9710 3981 8252 2522		$\begin{array}{c} \overline{0564} \\ 4835 \end{array}$	$6719 \over 0991 \\ 5262 \\ 9533 \\ 3803$		1845 6116	$\frac{6543}{0814}$	$\frac{8428}{2700}$		1 43 2 85 3 128 4 171 5 214 6 256
10171 72 73 74 75	0074 0635	5331	5758	$7646 \\ 1916 \\ 6185 \\ \hline 0454 \\ 4722$	8073 $2343$ $6612$ $0881$ $5149$	8500 2770 7039 1308 5576	$\begin{array}{c} 8927 \\ 3197 \\ \underline{7466} \\ 1734 \\ 6003 \end{array}$	$\begin{array}{c} 9354 \\ 3624 \\ 7893 \\ \hline 2161 \\ 6429 \end{array}$	$\begin{array}{c} 9781 \\ 4051 \\ \underline{8320} \\ 2588 \\ 6856 \end{array}$	$\begin{array}{r} \hline 0208 \\ 4478 \\ 8746 \\ \hline 3015 \\ 7283 \\ \end{array}$	7 299 8 342 9 384
76 77 78 79 80	7710 0076 1977 6245 0077 0511 4778	6671	2831 7098 1365	$\begin{array}{c} 7525 \\ 1791 \end{array}$	9417 3684 7951 2218 6484	8378 2645	4538	0697 4965 9231 3498 7764	$\begin{array}{c} 9658 \\ 3925 \end{array}$	$\begin{array}{r} 1551 \\ 5818 \\ \hline 0085 \\ 4351 \\ 8617 \\ \end{array}$	426 1 43 2 85 3 128
10181 82 83 84 85	$\begin{array}{r} 9044 \\ 0078  3309 \\ 7574 \\ 0079  1839 \\ 6103 \end{array}$		4162 8427 2692	$\begin{array}{c} 4589 \\ 8854 \end{array}$	0750 5015 9280 3545 7809	1177 5442 9707 3971 8235	$\begin{array}{c} 5868 \\ \hline 0133 \\ 4398 \end{array}$	6295		$     \begin{array}{r}       \hline       2883 \\       \hline       7148 \\       \hline       1413 \\       5677 \\       9941 \\    \end{array} $	4 170 5 213 6 256 7 298 8 341 9 383
86 87 88 89 90		5057	5483 9746 4009	$\begin{array}{c} 1646 \\ \underline{5910} \\ 0172 \\ 4435 \\ 8697 \end{array}$		$\begin{array}{r} 2499 \\ \underline{6762} \\ 1025 \\ 5287 \\ 9549 \end{array}$	$\begin{array}{c} 2925 \\ \underline{7188} \\ 1451 \\ 5714 \\ 9976 \end{array}$	$\frac{\overline{1877}}{6140}$	$\begin{array}{r} 3778 \\ \underline{8041} \\ \underline{2304} \\ \underline{6566} \\ 0828 \end{array}$	$\begin{array}{r} 4204 \\ \underline{8467} \\ \overline{2730} \\ \underline{6992} \\ \overline{1254} \end{array}$	425
10191 92 93 94 95	0083 0202 4463	2106 6368 0628 4889 9149	2532 6794 1055 5315 9575	1481 5741	$\begin{array}{c} 3385 \\ 7646 \\ 1907 \\ \underline{6167} \\ 0427 \end{array}$	3811 $8072$ $2333$ $6593$ $0853$	$4237 \\ 8498 \\ 2759 \\ 7019 \\ \hline 1279$	$4663 \\ 8924 \\ 3185 \\ \hline 7445 \\ \hline 1705$	$5089 \\ 9350 \\ 3611 \\ 7871 \\ \hline 2131$	5515 9776 4037 8297 2557	2 85 3 128 4 170 5 213 6 255 7 298
96 97 98 99 10200	0084 2983 7242 0085 1501 5759 0086 0017		2352 6611	2778 7037	3204 7462	5112 9371 3630 7888 2146	5538 9797 4056 8314 2572	$\begin{array}{r} 5964 \\ \hline 0223 \\ 4482 \\ 8740 \\ 2998 \end{array}$	$\frac{6390}{0649}$ $4908$ $9166$ $3423$	9591	8 340 9 883

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10200 01 02 03 04 05	0087	4275 8532 2789 7045	0443 4700 8958 3214 7471 1726	5126 9383		$   \begin{array}{r}     1720 \\     5978 \\     \hline     0235 \\     4491 \\     8747 \\     3003   \end{array} $	$   \begin{array}{r}     2146 \\     \hline     6403 \\     \hline     0660 \\     4917 \\     9173 \\     3429   \end{array} $	2572 6829 1086 5343 9599 3854	$\begin{array}{c} 2998 \\ \underline{7255} \\ 1512 \\ \underline{5768} \\ 0024 \\ 4280 \end{array}$	$\begin{array}{c} 3423 \\ \underline{7681} \\ 1937 \\ \underline{6194} \\ 0450 \\ 4705 \end{array}$	$\begin{array}{c} 3849 \\ \underline{8106} \\ \underline{2363} \\ \underline{6619} \\ 0875 \\ 5131 \end{array}$	426 1 43 2 85
06 07 08 09 10	0089	5556 9811 4066 8320 2574	$\begin{array}{r} 5982 \\ \hline 0237 \\ 4492 \\ 8746 \\ 3000 \end{array}$	0662 4917 9171 3425	5342 9597 3850	$\begin{array}{c} 7258 \\ \hline 1513 \\ 5768 \\ \hline 0022 \\ 4276 \\ \end{array}$	$\begin{array}{r} 7684 \\ \hline 1939 \\ 6193 \\ \hline 0447 \\ 4701 \\ \end{array}$	$\frac{6619}{0873} \\ 5126$	$\begin{array}{r} 2790 \\ 7044 \\ 1298 \\ 5552 \end{array}$	$\frac{7470}{1723}$ $5977$	$\begin{array}{r} 9386 \\ \hline 3641 \\ 7895 \\ \hline 2149 \\ 6402 \\ \hline \end{array}$	3 128 4 170 5 213 6 256 7 298 8 341 9 383
10211 12 13 14 15	0091	$\begin{array}{c} 1081 \\ 5333 \end{array}$		$0436 \\ 4687$		8529 2782 7034 1286 5538 9789	8954 $3207$ $7459$ $1711$ $5963$ $0214$	9379 3632 7885 2136 6388 0639	9805 $4057$ $8310$ $2562$ $6813$ $1064$	0230 $4483$ $8735$ $2987$ $7238$ $1489$	$0655$ $4908$ $9160$ $\overline{3412}$ $7663$ $\overline{1914}$	425 1 43
16 17 18 19 20 10221	0093	$2339 \\ 6590 \\ 0840$	2764 7015	3189 7440 1690 5939	3615 7865 2115 6364	4040 8290 2540	4465	4890 9140 3390	5315 9565 3815	5740 9990 4240	$\frac{6165}{0415}$ $4665$	2 85 3 128 4 170 5 213 6 255 7 298
22 23 24 25 26	0096	7836 2084 6332 0579	1004	2934 7181 1428	3358 7606 1853	9535 3783 8031 2278	2702	0385 4633 8880 3127	3552	3976	$\begin{array}{r} 7411 \\ \hline 1659 \\ 5907 \\ \hline 0154 \\ 4401 \\ \end{array}$	8 340 9 383 424
27 28 29 30 10231		1808	3742 7988 2233	9921 4167 8412 2657	0346 4592 8837 3082	0770 5016 9261 3506	6949 1195 5441 9686 3931	$   \begin{array}{r}     \hline     1620 \\     5865 \\     \hline     0110 \\     4355   \end{array} $	$\frac{\overline{0535}}{4780}$	$   \begin{array}{r}     2469 \\     6714 \\     \hline     0959 \\     5204   \end{array} $	$\frac{8647}{2893}$ $\frac{7139}{1384}$ $\frac{5629}{1384}$	1 42 2 85 3 127 4 170 5 212 6 254
32 33 34 35 36		0297 4541 8785 3028	4966 9209 3452	1146 5390 9633 3876	$   \begin{array}{r}     1571 \\     5814 \\     \hline     0058 \\     4301   \end{array} $	6239	8175 $2419$ $6663$ $0906$ $5149$ $9391$	$   \begin{array}{r}     2844 \\     7087 \\     \hline     1331 \\     5573   \end{array} $	1755	$   \begin{array}{r}     3693 \\     \hline     7936 \\     \hline     2179 \\     6422   \end{array} $	$\begin{array}{r} 9873 \\ 4117 \\ \underline{8360} \\ \underline{2603} \\ \underline{6846} \\ \underline{1088} \end{array}$	7 297 8 339 9 382
37 38 39 40 10241 42		5754 9996	$   \begin{array}{r}     1937 \\     6178 \\     \hline     0420 \\     4661   \end{array} $	$\frac{2361}{6603} \\ \hline 0844$	$\frac{2785}{7027}$	$   \begin{array}{r}     3209 \\     7451 \\     \hline     1692 \\     \hline     5933 \\   \end{array} $	$   \begin{array}{r}     3633 \\     7875 \\     \hline     2116 \\     \hline     6357 \\     \hline     0597 \\   \end{array} $	$\frac{4058}{8299} \\ \hline 2540$	$4482 \\ 8723 \\ \hline 2964 \\ 7205$	$\frac{4906}{9147}$ $\frac{3388}{3388}$	$ 5330 9572 \overline{3813} 8053 \overline{2293} $	423 1 42 2 85 3 127
42 43 44 45 46 47		2717 6957 1196 5435	3141 7381 1620 5859	3565 7805 2044	3989 8229 2468 6707	4413 8653 2892 7131	4837 9077 3316 7554	5261 9501 3740	5685 9925 4164 8402	$\frac{6109}{0348}$ $4587$	$\frac{6533}{0772} \\ 5011 \\ 9250$	4 169 5 212 6 254 7 296 8 338 9 381
48 49 10250		3912 8149	4335 8573	4759 8997	5183 9421	5607 9844	$\frac{6031}{0268}$	$\frac{6454}{0692}$	6878	$\frac{7302}{1539}$	$\frac{7726}{1963}$	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10250 51 52 53 54	0108	6623 0860 5096 9331	9755	$\frac{1707}{5943} \\ \frac{5943}{0178}$	$7894 \\ 2131 \\ \underline{6366} \\ 0602$	$\begin{array}{c} 2554 \\ 6790 \\ \hline 1025 \end{array}$	$\begin{array}{c} 4505 \\ 8742 \\ 2978 \\ \hline 7214 \\ \hline 1449 \end{array}$	4929 9165 3401 7637 1872	$5352 \\ 9589 \\ 3825 \\ 8061 \\ \hline 2296$	$\begin{array}{r} 5776 \\ \hline 0013 \\ 4249 \\ \underline{8484} \\ \overline{2719} \end{array}$	$\begin{array}{c} \overline{0436} \\ 4672 \\ \underline{8908} \\ \overline{3143} \end{array}$	424
55 56 57 58 59	0110	7801 2036 6269 0503	8225 2459 6693 0926	1350	4837 9072 3306 7540 1773	5260 9495 3729 7963 2196	9918 4153 8386 2620	$6107$ $\overline{0342}$ $4576$ $8810$ $3043$	0765 4999 9233 3466	3889	$   \begin{array}{r}     7378 \\     \hline     1612 \\     5846 \\     \hline     0080 \\     4313 \\     \hline     8546 \\     \hline     \hline     0080 \\     \hline     4313 \\     \hline     0546 \\     \hline     0080 \\     \hline     0080 \\    0080 \\    0080 \\    0080 \\    0080 \\    0080 \\    0080 \\    0080 $	2 85 3 127 4 170 5 212 6 254 7 297 8 339
60 10261 62 63 64 65	0112	7433	9392 3624 7856 2087	9815 4047 8279 2511	$6006$ $\overline{0238}$ $4471$ $8702$ $2934$	9126 3357		5740 9972 4203	$7699$ $\overline{1931}$ $6163$ $\overline{0395}$ $4626$	$\frac{6587}{0818}$		9 382
66 67 68 69 70	0114	0126 4356 8586 2815	4779 9009	$0972 \\ 5202$	$\begin{array}{c} 9855 \\ 4084 \end{array}$		$\begin{array}{c} 2241 \\ \underline{6471} \\ \overline{0701} \end{array}$	$\tfrac{6894}{1124}$	3087 $7317$ $1547$ $5776$ $0004$	$\begin{array}{c} 3510 \\ \underline{7740} \\ 1970 \\ \underline{6199} \end{array}$	$   \begin{array}{r}     3933 \\     8163 \\     \hline     2392   \end{array} $	1 42 2 85 3 127 4 169 5 212 6 254
10271 72 73 74 75	0116	1273 5501 9729 3956	$1696 \\ \underline{5924} \\ 0152 \\ 4379$	2119	$\begin{array}{c} 2541 \\ \underline{6769} \\ 0997 \\ 5224 \end{array}$	$\begin{array}{c} 2964 \\ 7192 \\ \hline 1420 \end{array}$	$\frac{3387}{7615}$ $\frac{7615}{1843}$	$   \begin{array}{r}     3810 \\     8038 \\     \hline     2265 \\     \hline     6492 \\     \hline     0719   \end{array} $	$\begin{array}{r} 4233 \\ \underline{8461} \\ \underline{2688} \end{array}$	$4655 \\ 8883 \\ \hline 3111 \\ \hline 7338 \\ \hline 1564$	5078 9306 3533 7760	7 296 8 338 9 381
76 77 78 79 80	0119	6636 0861 5087	$\begin{array}{c} 1284 \\ 5509 \end{array}$	$\begin{array}{c} 3255 \\ 7481 \\ 1706 \\ \underline{5932} \\ \overline{0156} \end{array}$	7903 2129 6354	$\begin{array}{c} 4100 \\ 8326 \\ 2551 \\ \underline{6777} \\ 1001 \end{array}$	8749	$4945 \\ 9171 \\ 3397 \\ 7622 \\ \hline 1846$	9594		4664 8889	422 1 42 2 84 3 127 4 169
10281 82 83 84 85		7760 1984 6207	3958 8182 2406 6629 0852	2828			8318	$0\overline{294}$ $4518$ $8741$		$\begin{array}{r} 6915 \\ \hline 1139 \\ 5362 \\ 9585 \\ 3808 \end{array}$	$\begin{array}{r} 7338 \\ \hline 1561 \\ 5784 \\ \hline 0007 \\ 4230 \\ \end{array}$	5 211 6 253 7 295 8 338 9 380
86 87 88 89 90	0123	3096 7317	7739	5496 9718 3940 8161 2382	4362 8583	0563 $4784$ $9005$	$\begin{array}{r} 6763 \\ \hline 0985 \\ 5206 \\ 9427 \\ 3648 \end{array}$	7185 $1407$ $5628$ $9849$ $4070$	$\begin{array}{r} 7607 \\ \hline 1829 \\ 6050 \\ \hline 0271 \\ 4492 \end{array}$	$\begin{array}{r} 2251 \\ 6473 \\ \hline 0693 \end{array}$	$\begin{array}{r} 8452 \\ \hline 2673 \\ 6895 \\ \hline 1115 \\ 5336 \\ \end{array}$	421 1 42 2 84
10291 92 93 94 95	0125	5758 9978 4197 8416 2635	$\begin{array}{c} 6180 \\ \hline 0400 \\ 4619 \\ 8838 \\ 3057 \end{array}$	9260	-	$\overline{1666}$	$\begin{array}{r} 7868 \\ \hline 2088 \\ 6307 \\ \hline 0526 \\ 4744 \end{array}$	$\overline{0948}$	$\begin{array}{r} 8712 \\ \hline 2931 \\ 7151 \\ \hline 1370 \\ 5588 \\ \end{array}$	$\frac{7573}{1791}$	$\frac{3775}{7994}$ $\frac{2213}{2213}$	3 126 4 168 5 211 6 253 7 295 8 337
96 97 98 99 10300	0127	1071 5289 9506	5710 9927	$\frac{6132}{0349}$	$\frac{6554}{0771}$	2758		$\frac{3602}{7819}$ $\frac{7819}{2036}$	8241	$\overline{2879}$	$\frac{4867}{9084} \\ \frac{9084}{3301}$	9 379

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10300	0128			4566		5409	5831		6674			
01	0100			8782						1311		
02	0129			2998 7213				4684		5527 9742		400
04	0130			1428						3957		422
05	0100			5642			6907			8171		1 42 2 84
06		9014	9435	9857	0278	0699	1121	1542	1964	2385	2806	3 127
07	0131			4070					6177			4 169
08				8284						$\overline{0811}$		6 253
09	0132			2497						5024		7 295
10				6709						9236		8 338
10311	0133			0921			2185	2606	3027			9 380
12 13				5133	-	-	$\frac{6396}{0607}$	$\frac{6817}{1028}$	$\frac{7238}{1449}$	-	8081	
14	0134		3134	9344	3976					1871 6081		
15	0101			7765						$\frac{0001}{0291}$		421
16	0135		1554		2396	2817		3659				1 4
17	0100		5764		6606		7448	7869		8711	9131	2 8
18		9552	9973	0394	$\overline{0815}$	$\overline{1236}$	1657	2078	$\overline{2499}$	2919	3340	3 120
19	0136			4603					6707		7549	4 168 5 21
20		7970	8391	8811	9232	9653	0074	0495	0915	1336	1757	6 25
10321	0137				3440		4282	4702	5123		5965	7 29
22	0100			7227						9751		8 33
23 24	0138			1434 5641		6482	6903	7324	3538 7744		4379 8585	0 0,1
25			9427		$\frac{0002}{0268}$					$\frac{3103}{2371}$		
26	0130			4053						6577		
27	0133			8259					$\frac{0130}{0361}$		$\frac{0997}{1202}$	420
28	0140			2464				4146		4987		1 49
29		5828	6248	6669	7089	7510	7930	8350	8771	9191	9612	2 84
30	0141	0032	0453	0873	1293	1714	2134	2555	2975	3395	3816	3 126
10331		4236	4657	5077	5497	5918	6338	6758	7179	7599	8019	5 210
32				9280						1802	2223	6 252
33	0142			3484						$\frac{6005}{0208}$		7 294 8 336
34 35	0143			7686 1889				3569		4410		9 378
36	0110			6090				7771		8611		
37				$\frac{0090}{0292}$					$\frac{5191}{2392}$	$\frac{3011}{2813}$		
38	0144			4493						7013		
39		7854	8274	8694	9114	9534	9954	$\overline{0374}$	0794	1214	1634	419
40	0145	2054	2474	2894	3314	3734	4154	4574	4994	5414	5834	1 49
10341		6254	6674	7094	7514	7934	8354	8774	9194	9613	$\overline{0033}$	2 8
42	0146			1293						3813		3 126 4 168
43				5492		-	6752	$\frac{7172}{1270}$		8011		5 210
44 45	0147			9691 3889			0950			2210 6408		6 251
	0147											7 293 8 335
46	0140			8087 2284					0186 4383	0605	$1025 \\ 5222$	9 377
48	0140			6481						8999		
									$\frac{3300}{2776}$		-	
49		9839	0258	00/8	1098	1917	1937	2357	2110	3196	3615	

No.		0	1	2	3	4	5	6	7	8	9	Diff.
10350 51 52 53 54 55	0150	8231 2426 6621 0816	8650 2846 7041	9070 3265 7460	5294 9490 3685 7880 2074 6269	4104 8299	$\begin{array}{r} 6133 \\ \hline 0329 \\ 4524 \\ 8719 \\ 2913 \\ 7107 \end{array}$	$\begin{array}{r} 6553 \\ \hline 0748 \\ 4943 \\ 9138 \\ 3333 \\ 7527 \end{array}$	6972 1168 5363 9558 3752 7946	7392 1587 5782 9977 4172 8365	$\begin{array}{r} 7811 \\ \hline 2007 \\ 6202 \\ \hline 0397 \\ 4591 \\ 8785 \end{array}$	420
56 57 58 59 60	0152 0153	9204 3398 7591 1783	9624 3817 8010 2203	$\overline{0043}$	0462 4656 8849 3041	0882 5075 9268 3460 7652	1301 5494 9687 3879	$\begin{array}{r} \overline{1720} \\ 5913 \end{array}$	$ \begin{array}{r}     \hline     2140 \\     6333 \\     \hline     0526 \\     4718 \end{array} $	$\frac{2559}{6752}$	$   \begin{array}{r}     \hline     2978 \\     7171 \\     \hline     1364 \\     5556   \end{array} $	2 84 3 126 4 168 5 210 6 252 7 294 8 336
10361 62 63 64 65	0155	4359 8550 2740	0587 4778 8969 3159 7350	1006 5197 9388 3579 7769	9807	4417		$\begin{array}{c} \overline{1064} \\ 5255 \end{array}$	3101 7293 1483 5674 9864	6093	$\begin{array}{c} 3940 \\ \underline{8131} \\ \underline{2321} \\ \underline{6512} \\ \overline{0701} \end{array}$	9 378
66 67 68 69 70	0157	5310 9499 3687	1539 5729 9918 4106 8294	$\frac{6148}{0337}$	4944	$\frac{6986}{1174}$	$\frac{7404}{1593}$ $5782$	7823	$\begin{array}{r} 4053 \\ \underline{8242} \\ \underline{2431} \\ \underline{6619} \\ 0807 \end{array}$	$\frac{8661}{2850}$ $7038$	$\begin{array}{r} 4891 \\ \underline{9080} \\ \overline{3269} \\ \underline{7457} \\ \overline{1645} \end{array}$	1 42 2 84 3 126 4 168 5 210 6 251
10371 72 73 74 75	0159	$6251 \\ 0438$			7507 1694 5880	2112	$4157 \\ 8344 \\ 2531 \\ \underline{6718} \\ \overline{0903}$	$4576 \\ 8763 \\ 2950 \\ \hline 7136 \\ \hline 1322$	$\begin{array}{c} 4995 \\ 9182 \\ 3368 \\ \hline 7555 \\ \hline 1741 \end{array}$	$5413 \\ 9600 \\ 3787 \\ 7973 \\ \hline 2159$	$\begin{array}{r} \frac{5832}{0019} \\ 4206 \\ \underline{8392} \\ \overline{2578} \end{array}$	7 293 8 335 9 377
76 77 78 79 80	0160	7182 1367 5551		6388		3041	5089 9274 3459 7643 1827	$5508 \\ 9693 \\ 3877 \\ 8062 \\ \hline 2246$	0111	$\begin{array}{r} \frac{6345}{0530} \\ 4714 \\ \frac{8899}{3082} \end{array}$		418 1 42 2 84 3 125 4 167
10381 82 83 84 85	0163	$8102 \\ 2285$	4337 8521 2704 6886 1068	8939	9357 3540	5592 9776 3958 8141 2323	$\begin{array}{r} 6011 \\ \hline 0194 \\ 4377 \\ 8559 \\ 2741 \end{array}$	$\begin{array}{c} \overline{0612} \\ 4795 \end{array}$	$\begin{array}{r} 6847 \\ \hline 1031 \\ 5213 \\ 9395 \\ 3577 \\ \end{array}$	$\begin{array}{r} \overline{1449} \\ 5631 \end{array}$		5 209 6 251 7 293 8 334 9 376
86 87 88 89 90		9013 $3194$ $7375$	3612 7793	9849 4030	0267 4448 8629	4866	$6923$ $\overline{1104}$ $5284$ $9465$ $3645$	1522 5702 9883	$\frac{\overline{1940}}{6121}$	$\begin{array}{c} 2358 \\ 6539 \end{array}$	$\overline{2776}$	417
10391 92 93 94 95	0167	$9914 \\ 4093$	$\begin{array}{r} 6152 \\ \hline 0332 \\ 4511 \\ 8689 \\ 2867 \end{array}$	0750 $4928$ $9107$	$\begin{array}{r} 6988 \\ \hline 1168 \\ 5346 \\ 9525 \\ 3703 \end{array}$	1585 5764 9943	$\begin{array}{r} 7824 \\ \hline 2003 \\ 6182 \\ \hline 0360 \\ 4538 \end{array}$	$\frac{2421}{6600}$ $\frac{6600}{0778}$	$\begin{array}{r} 2839 \\ 7018 \\ \hline 1196 \end{array}$	7436		2 83 3 125 4 167 5 209 6 250 7 292
96 97 98 99 10400	0169	0804 4981 9158	1222 5399 9575	5817 9993	$2058 \\ 6234 \\ \hline 0411$		$   \begin{array}{r}     2893 \\     7070 \\     \hline     1246   \end{array} $	$\frac{7487}{1664}$	3728 7905	9969 4146 8323 2499 6675	$\frac{4564}{8740} \\ \hline 2916$	8 334 9 375

No.	0	1	2	3	4	5	6	7	8	9	Diff.
10400 01 02 03 04 05	0171 1685	7927 2102 6277 0452		4587 8762 2937 7112 1287 5461	5004 9180 3355 7530 1704 5878	5422 9597 3772 7947 2121 6295	$\begin{array}{c} 5839 \\ \hline 0015 \\ 4190 \\ 8365 \\ 2539 \\ 6713 \\ \end{array}$	$\begin{array}{c} 6257 \\ \hline 0432 \\ 4607 \\ 8782 \\ 2956 \\ 7130 \end{array}$	$\frac{6675}{0850}$ $5025$ $9199$ $3374$ $7547$	$1\overline{267}$ $5442$	418 1 42 2 84
06 07 08 09 10	8382 0173 2555 6728 0174 0901 5073 9245	2973 7146 1318 5490	7563 1735 5907			$\overline{0469}$ $4642$ $8815$ $2987$ $7159$ $\overline{1330}$	$\begin{array}{c} 5059 \\ 9232 \end{array}$	$     \begin{array}{r}       1304 \\       5477 \\       9649 \\       3821 \\       7993 \\       \hline       2165 \\     \end{array} $	$   \begin{array}{r}     \hline     1721 \\     5894 \\     \hline     0066 \\     4239 \\     8410 \\     \hline     2582 \\   \end{array} $	$   \begin{array}{r}     \hline     2138 \\     6311 \\     \hline     0484 \\     4656 \\     8827 \\     \hline     2999 \\   \end{array} $	3 125 4 167 5 209 6 251 7 293 8 334 9 376
12 13 14 15	0175 3416 7587 0176 1757 5927 0177 0097	3833 8004 2174 6344 0514	4250 8421 2591 6761 0931	4667 8838 3008 7178 1348	5084 9255 3425 7595 1765	5501 9672 3842 8012 2182	$\begin{array}{r} 5919 \\ \hline 0089 \\ 4259 \\ 8429 \\ 2599 \end{array}$	$\frac{6336}{0506}$ $\frac{4676}{8846}$ $\frac{3016}{3016}$	6753 0923 5093 9263 3433	7170 1340 5510 9680 3850	417
$ \begin{array}{c} 17 \\ 18 \\ 19 \\ 20 \\ 10421 \\ 22 \end{array} $	$\begin{array}{r} 4266 \\ 8435 \\ 0178 2604 \\ 6772 \\ 0179 0940 \\ 5107 \end{array}$	8852 3021 7189 1356	5100 9269 3437 7605 1773 5940	9686 3854 8022 2190	8439 2607	$\overline{0520}$ $4688$ $8856$ $3023$	6768 0936 5105 9273 3440 7607	7185 1353 5522 9689 3857 8024	$   \begin{array}{r}     7602 \\     \hline     1770 \\     5938 \\     \hline     0106 \\     4273 \\     8440   \end{array} $	$\frac{6355}{0523}$ $4690$	2 83 3 125 4 167 5 209 6 250 7 292 8 334
23 24 25 26 27	9274 0180 3440 7606 0181 1772 5937	9690 3857 8023 2189 6354	0107 4274 8440 2605 6770	0524 4690 8856 3022 7187	0940 5107 9273 3438 7603	1357 5523 9689 3855 8020	1774	$   \begin{array}{r}     \hline     2190 \\     6357 \\     \hline     0522 \\     4688   \end{array} $	$   \begin{array}{r}     \hline     2607 \\     \hline     6773 \\     \hline     0939 \\     \hline     5104 \\     9269 \\   \end{array} $	$\overline{3024}$	9 375
28 29 30 10431 32 33	$0182 0102 \\ 4267 \\ 8431 \\ 0183 2595 \\ 6758 \\ 0184 0921$	4683 8847 3011 7174	5100 9264 3427 7590	5516	4260 8423	$   \begin{array}{r}     2185 \\     \hline     6349 \\     \hline     0513 \\     4676 \\     8839 \\     3002   \end{array} $	5093	3017 7182 1345 5509 9672 3835	$     \begin{array}{r}       3434 \\       7598 \\       \hline       1762 \\       \hline       0088 \\       4251     \end{array} $	$\begin{array}{c} 8014 \\ \hline 2178 \\ \hline 6342 \\ \hline 0504 \\ \end{array}$	1 42 2 83 3 125 4 166 5 208 6 250 7 291
34 35 36 37 38	5083 9245 0185 3407 7568 0186 1729	5499 9662 3823 7984 2145	$\begin{array}{c} 5916 \\ \hline 0078 \\ 4239 \\ 8401 \\ 2561 \\ \end{array}$	$6332 \\ \hline 0494 \\ 4655 \\ 8817 \\ 2977$	$6748 \over 0910 \\ 5072 \\ 9233 \\ 3394$	$\frac{7164}{1326}$ $5488$ $9649$ $3810$	$\begin{array}{r} 7581 \\ 1742 \\ \hline 5904 \\ \hline 0065 \\ 4226 \\ \end{array}$	$\begin{array}{c} 7997 \\ \hline 2159 \\ \hline 6320 \\ \hline 0481 \\ 4642 \\ \end{array}$	$\begin{array}{r} 8413 \\ \hline 2575 \\ 6736 \\ \hline 0897 \\ 5058 \\ \end{array}$	$\begin{array}{r} 8829 \\ \hline 2991 \\ \hline 7152 \\ \hline 1313 \\ 5474 \\ \end{array}$	8 333 9 374
39 40 10441 42 43 44	$0187\ 0050\\ 4210\\ 8369\\ 0188\ 2528$	4626 8785	0882 5041 9201		$\frac{5873}{0033}$ 4191	7970 $2130$ $6289$ $0448$ $4607$ $8765$	$\frac{2546}{6705} \\ \frac{6705}{0864}$	8802 $2962$ $7121$ $1280$ $5439$ $9597$	$\begin{array}{c} 9218 \\ 3378 \\ \hline 7537 \\ \hline 1696 \\ \underline{5855} \\ 0013 \\ \end{array}$	$\frac{3794}{7953}$ $\frac{2112}{2112}$	415 1 42 2 83 3 125 4 166 5 208 6 249
45 46 47 48 49		5418 9575	1676 5834 9991 4148 8304	$\begin{array}{c} \overline{0407} \\ 4563 \end{array}$	$   \begin{array}{r}     2508 \\     \hline     6665 \\     \hline     0822 \\     4979 \\     9135   \end{array} $			$\begin{array}{r} 3755 \\ \underline{7912} \\ \underline{2069} \\ \underline{6226} \\ 0382 \end{array}$	$4171 \\ \underline{8328} \\ \underline{2485} \\ \underline{6642} \\ \underline{0798}$	$\overline{2901}$	7 291 8 332 9 374

No.	(	) 1	2	3	4	5	6	7	8	9	Diff.
10450 51 52		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6616	$   \begin{array}{r}     2876 \\     7031 \\     \hline     1187   \end{array} $	$\frac{3291}{7447}$ $\frac{7447}{1602}$	$\begin{array}{r} 3707 \\ 7862 \\ \hline 2018 \end{array}$	$4123 \\ 8278 \\ \hline 2433$	$\frac{4538}{8694} \\ \hline 2849$	$\frac{4954}{9109} \\ \frac{3264}{3264}$	$5369 \\ 9525 \\ \hline 3680$	
53 54 55	019240	95 4511 50 8665	4926 5 9080	5341 9496 3650	5757 9911 4065	$\frac{6172}{0327}$ $4481$		$\frac{7003}{1158}$ $5311$	$\frac{7419}{1573}$ $5727$	$\frac{7834}{1988}$ $6142$	416 1 42 2 83
56 57 58	0194 07 48	64 5279	5 1541 5 5694	7804 1957 6110		8634 2787 6940	9050 3203 7355	9465 $3618$ $7771$	9880 4033 8186	$\overline{0295}$ $4448$ $8601$	3 125 4 166 5 208 6 250
59 60 10461	019531 73	20 7735	3999 8151	0262 4414 8566	0677 4829 8981	1092 5244 9396	1508 5660 9811	$   \begin{array}{r}     \hline       1923 \\       6075 \\       \hline       0226 \\       \hline       4277 \\    \end{array} $	$   \begin{array}{r}     2338 \\     6490 \\     \hline     0641 \\     4700 \\   \end{array} $	$     \begin{array}{r}       2753 \\       6905 \\       \hline       1056 \\       \hline       2007 \\     \end{array} $	7 291 8 333 9 374
62 63 64 65		$\begin{array}{c} 23 & 6038 \\ 73 & 0188 \end{array}$	$\frac{6453}{0603}$	$   \begin{array}{r}     2717 \\     \underline{6868} \\     \hline{1018} \\     5168   \end{array} $	$     \begin{array}{r}       3132 \\       7283 \\       \hline       1433 \\       5583     \end{array} $	$   \begin{array}{r}     3547 \\     7698 \\     \hline     1848 \\     5998   \end{array} $	$   \begin{array}{r}     3962 \\     \underline{8113} \\     2263 \\     6413   \end{array} $	$4377 \\ \underline{8528} \\ \underline{2678} \\ 6828$	$4792 \\ 8943 \\ \hline 3093 \\ 7243$	$5207 \\ 9358 \\ \hline 3508 \\ 7658$	415
66 67 68 69	019905		3052 7201 1350	1764	9733 3882 8031 2179 6327	0148 4297 8446 2594 6742	0563 4712 8861 3009 7157	0978 5127 9275 3424 7572	1393 5542 9690 3839 7986	$   \begin{array}{r}     \hline     1807 \\     5957 \\     \hline     0105 \\     4253 \\     8401   \end{array} $	1 42 2 83 3 125 4 166 5 208
70 10471 72 73 74		16 9231 63 3378 10 7525	9645 3793 7940	0060 $4207$ $8354$ $2501$	$\begin{array}{c} \overline{0475} \\ 4622 \end{array}$	0890 5037 9184 3330	$\begin{array}{r} \overline{1304} \\ 5452 \end{array}$	$   \begin{array}{r}     \hline       1719 \\       5866 \\       \hline       0013 \\       4159   \end{array} $	$\begin{array}{c} \overline{2134} \\ \underline{6281} \\ \overline{0428} \end{array}$	$   \begin{array}{r}     \hline     2549 \\     \hline     6696 \\     \hline     0842 \\     4989   \end{array} $	6 249 7 291 8 332 9 374
75 76 77 78	54 95 0202 36 78	49 9964 94 4109 39 8254	0378 4523 8668	$6647 \\ \hline 0793 \\ 4938 \\ 9083$	$7062 \\ \hline 1207 \\ 5352 \\ 9497$	$7476$ $\overline{1622}$ $5767$ $9912$	$7891 \\ \hline 2036 \\ \underline{6181} \\ 0326$		$\begin{array}{r} \hline 2865 \\ 7010 \\ \hline 1155 \end{array}$	$\begin{array}{c} 9134 \\ \hline 3280 \\ \hline 7425 \\ \hline 1570 \\ \end{array}$	414
79 80 10481	$0203 19 \\ 61 \\ 0204 02$	28 6543 72 0686	6957 1101		3642 7786 1930	8200 2344	4471 8615 2758	3173	3587	5714 9858 4001	2 83 3 124 4 166 5 207
82 83 84 85	44 85 0205 27 68	59 8973 01 3115	9387 3530	5658 9801 3944 8086	$\overline{0216}$	$\frac{6487}{0630}$ $4772$ $8914$	$\frac{6901}{1044}$ 5187 9329	$\frac{7316}{1458}$ $5601$ $9743$	$\begin{array}{r} 7730 \\ \hline 1873 \\ 6015 \\ \hline 0157 \end{array}$	$\frac{8144}{2287} \\ \frac{6429}{0571}$	6 248 7 290 8 331 9 373
86 87 88 89 90	51		$   \begin{array}{r}     5955 \\     \hline     0096 \\     4237   \end{array} $	$\begin{array}{c} 2228 \\ \underline{6369} \\ 0510 \\ 4651 \\ 8791 \end{array}$	$\begin{array}{c} 2642 \\ \underline{6783} \\ 0924 \\ 5065 \\ 9205 \end{array}$	3056 7197 1338 5479 9619	$\begin{array}{r} 3470 \\ 7611 \\ \hline 1752 \\ \underline{593} \\ 0033 \end{array}$	$\begin{array}{r} 3884 \\ \underline{8026} \\ \underline{2166} \\ \underline{6307} \\ 0\overline{447} \end{array}$	$\begin{array}{r} 4299 \\ \underline{8440} \\ \underline{2580} \\ \underline{6721} \\ \underline{0861} \end{array}$	$\overline{2994}$	413
10491 92 93 94	99 0209 41	$\begin{array}{c} 28 & 6242 \\ 67 & 0381 \\ 06 & 4520 \end{array}$	$\frac{6656}{0795}$	2931 7070 1209 5348	3345 $7484$ $1623$ $5761$	$   \begin{array}{r}     3758 \\     7898 \\     \hline     2037 \\     6175   \end{array} $	$\begin{array}{r} 4172 \\ \underline{8312} \\ \underline{2451} \\ \underline{6589} \end{array}$	$\begin{array}{r} 4586 \\ 8726 \\ \hline 2864 \\ 7003 \end{array}$	$5000 \\ \underline{9139} \\ 3278 \\ 7417$	$5414  9553  \hline 3692  7830$	2 83 3 124 4 165 5 207 6 248
95 96 97 98	021023	20 6933	3210 3 7347	9486 3623 7761 1898	9900 4037 8175 2312	0313 4451 8588 2725	0727 4865 9002 3139	5279 9416 3553	1555 5692 9829 3966	1968 6106 0243 4380	7 289 8 330 9 372
99 10500	47	94 5207 30 934	5621	6035	6448	6862	7275	$\frac{7689}{1825}$	$\frac{8103}{2239}$	$\frac{8516}{2652}$	

0214374 $787$ $0215200$ $613$ $0216027$ $440$ $853$ $0217266$ $679$ $0218092$	6 3479 1 7615 7 1750 1 5885 6 0019 0 4153 3 8287 6 2420 9 6522 2 0685 4 4817 5 8948 6 3080 7 7210	3893 8028 2164 6298 0433 4566 8700 2833 6966 1098 5230 9361 3493 7623	4307 8442 2577 6712 0846 4980 9113 3246 7379 1511 5643 9775 3906	4720 8856 2990 7125 1259 5393 9527 3660 7792 1924 6056	5134 9269 3404 7539 1673 5806 9940 4073 8205	$\begin{array}{c} 3817 \\ 7952 \\ \hline 2086 \\ 6220 \\ \hline 0353 \\ 4486 \\ 8619 \\ 2751 \\ \end{array}$	$\begin{array}{c} 5961 \\ \hline 0096 \\ 4231 \\ 8365 \\ \hline 2499 \\ 6633 \\ \hline 0766 \\ 4899 \\ 9032 \\ 3164 \\ \end{array}$	0510 4644 8779 2913 7047 1180 5313 9445	$\begin{array}{c} 6788 \\ \hline 0923 \\ 5058 \\ 9192 \\ \hline 3326 \\ \hline 7460 \\ \hline 1593 \\ 5726 \\ 9858 \\ \end{array}$	414 1 41 2 83 3 124 4 166 5 207 6 248 7 290
720 0213 133 547 960 0214 374 787 0215 200 613 0216 027 440 853 0217 266 679 0218 092 505 918	1 7615 7 1750 1 5885 6 0019 0 4153 3 8287 6 2420 9 6552 2 0685 4 4817 5 8948 6 3080 7 7210 8 1341	8028 2164 6298 0433 4566 8700 2833 6966 1098 5230 9361 3493 7623	8442 2577 6712 0846 4980 9113 3246 7379 1511 5643 9775 3906	8856 2990 7125 1259 5393 9527 3660 7792 1924 6056	9269 3404 7539 1673 5806 9940 4073 8205 2338	$\begin{array}{c} 9683 \\ 3817 \\ 7952 \\ \hline 2086 \\ 6220 \\ \hline 0353 \\ 4486 \\ 8619 \\ 2751 \\ \end{array}$	$\overline{0096}$ $4231$ $8365$ $\overline{2499}$ $6633$ $\overline{0766}$ $4899$ $9032$ $3164$	0510 4644 8779 2913 7047 1180 5313 9445	$\begin{array}{c} \overline{0923} \\ 5058 \\ 9192 \\ \overline{3326} \\ 7460 \\ \overline{1593} \\ 5726 \\ 9858 \\ \end{array}$	1 41 2 83 3 124 4 166 5 207 6 248 7 290
0213 133 547 960 0214 374 787 0215 200 613 0216 027 440 853 0217 266 602 0218 092	7 1750 1 5885 6 0019 0 4153 3 8287 6 2420 9 6552 2 0685 4 4817 5 8948 6 3080 7 7210 8 1341	$\begin{array}{c} 2164 \\ \underline{6298} \\ 0433 \\ \hline 4566 \\ 8700 \\ 2833 \\ 6966 \\ 1098 \\ 5230 \\ 9361 \\ 3493 \\ 7623 \\ \end{array}$	2577 6712 0846 4980 9113 3246 7379 1511 5643 9775 3906	2990 7125 1259 5393 9527 3660 7792 1924 6056	3404 7539 1673 5806 9940 4073 8205 2338	$\begin{array}{c} 3817 \\ 7952 \\ \hline 2086 \\ 6220 \\ \hline 0353 \\ 4486 \\ 8619 \\ 2751 \\ \end{array}$	$\begin{array}{c} 4231 \\ 8365 \\ \hline 2499 \\ 6633 \\ \hline 0766 \\ 4899 \\ 9032 \\ 3164 \end{array}$	4644 8779 2913 7047 1180 5313 9445	$5058 \\ 9192 \\ \hline 3326 \\ \hline 7460 \\ \hline 1593 \\ 5726 \\ 9858$	1 41 2 83 3 124 4 166 5 207 6 248 7 290
547 960 0214 374 787 0215 200 613 0216 027 440 853 0217 266 679 0218 092 505 918	1 5885 6 0019 0 4153 3 8287 6 2420 9 6552 2 0685 4 4817 5 8948 6 3080 7 7210 8 1341	$\begin{array}{c} 6298 \\ \hline 0433 \\ 4566 \\ 8700 \\ 2833 \\ 6966 \\ 1098 \\ 5230 \\ 9361 \\ 3493 \\ 7623 \\ \end{array}$	6712 0846 4980 9113 3246 7379 1511 5643 9775 3906	$\begin{array}{c} 7125 \\ \hline 1259 \\ \hline 5393 \\ 9527 \\ 3660 \\ 7792 \\ 1924 \\ \underline{6056} \\ \end{array}$	7539 1673 5806 9940 4073 8205 2338	$\begin{array}{r} 7952 \\ \hline 2086 \\ 6220 \\ \hline 0353 \\ 4486 \\ 8619 \\ 2751 \\ \end{array}$	$\begin{array}{c} 8365 \\ \hline 2499 \\ \hline 6633 \\ \hline 0766 \\ 4899 \\ 9032 \\ 3164 \\ \end{array}$	$\begin{array}{c} 8779 \\ \hline 2913 \\ \hline 7047 \\ \hline 1180 \\ 5313 \\ 9445 \\ \end{array}$	$\begin{array}{c} 9192 \\ \hline 3326 \\ \hline 7460 \\ \hline 1593 \\ 5726 \\ 9858 \\ \end{array}$	1 41 2 83 3 124 4 166 5 207 6 248 7 290
960 0214 374 787 0215 200 613 0216 027 440 853 0217 266 679 0218 092 505 918	6 0019 0 4153 3 8287 6 2420 9 6552 2 0685 4 4817 5 8948 6 3080 7 7210 8 1341	0433 4566 8700 2833 6966 1098 5230 9361 3493 7623	0846 4980 9113 3246 7379 1511 5643 9775 3906	1259 5393 9527 3660 7792 1924 6056	1673 5806 9940 4073 8205 2338	2086 6220 0353 4486 8619 2751	2499 6633 0766 4899 9032 3164	$\begin{array}{c} \overline{2913} \\ \underline{7047} \\ \overline{1180} \\ 5313 \\ 9445 \end{array}$	3326 $7460$ $1593$ $5726$ $9858$	2 83 3 124 4 166 5 207 6 248 7 290
787 0215 200 613 0216 027 440 853 0217 266 679 0218 092 505 918	3 8287 6 2420 9 6552 2 0685 4 4817 5 8948 6 3080 7 7210 8 1341	8700 2833 6966 1098 5230 9361 3493 7623	9113 3246 7379 1511 5643 9775 3906	9527 3660 7792 1924 6056	9940 4073 8205 2338	$     \begin{array}{r}       \hline       0353 \\       4486 \\       8619 \\       2751     \end{array} $	0766 4899 9032 3164	$\overline{1180}$ $5313$ $9445$	$\overline{1593}$ $5726$ $9858$	4 166 5 207 6 248 7 290
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918		5884		6710	7123		7949		8774	1 41
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AMIN OUT		4142					6207			3 124
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	0220 1576 983 0221 395 983 0221 395 808 0222 221 633 0223 0466 458 871 0224 283 696 0225 108 520 933 0226 345 757 0227 169 994 0228 406 818 0229 230 054 465 877 0231 289 7010 2321 129	$\begin{array}{c} 5702 \ 6115 \ 9830 \ 0242 \ 3957 \ 4370 \ 8084 \ 8497 \ 2222 \ 2210 \ 2623 \ 6337 \ 6749 \ 222 \ 2210 \ 2623 \ 6337 \ 6749 \ 2223 \ 0462 \ 0875 \ 4588 \ 5000 \ 8713 \ 9125 \ 0224 \ 2837 \ 3250 \ 6961 \ 7374 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0225 \ 1085 \ 1497 \ 5208 \ 5621 \ 9331 \ 9744 \ 0232 \ 1085 \ 108$	$\begin{array}{c} 5702 \\ 5702 \\ 5702 \\ 9830 \\ \hline{0242} \\ \hline{0655} \\ \hline{0242} \\ \hline{0655} \\ \hline{0242} \\ \hline{0655} \\ \hline{0221} \\ 3957 \\ 4702 \\ 8084 \\ 8449 \\ 8909 \\ \hline{0222} \\ 2210 \\ 2623 \\ 3036 \\ \hline{6337} \\ 6749 \\ 7162 \\ \hline{0223} \\ 0462 \\ 0875 \\ 1287 \\ 4588 \\ 5000 \\ 5413 \\ 8713 \\ 9125 \\ 9350 \\ \hline{0224} \\ 2837 \\ 3250 \\ 3662 \\ \hline{0224} \\ 2837 \\ 3250 \\ 3662 \\ \hline{0224} \\ 2837 \\ 3250 \\ 3662 \\ \hline{0225} \\ 1085 \\ 1497 \\ 1910 \\ 5208 \\ 5621 \\ 6033 \\ \hline{031} \\ 9744 \\ \hline{0456} \\ \hline{0225} \\ 1085 \\ 1497 \\ 1910 \\ 5208 \\ 5621 \\ 6033 \\ \hline{031} \\ 9744 \\ \hline{0456} \\ \hline{0225} \\ 1085 \\ 4586 \\ 4278 \\ \hline{0227} \\ 1698 \\ 2110 \\ 2522 \\ 5819 \\ \hline{0232} \\ 6444 \\ 9940 \\ \hline{0353} \\ \hline{0765} \\ 0228 \\ 4061 \\ 4473 \\ 4885 \\ \hline{0444} \\ 0230 \\ 0540 \\ \hline{0456} \\ 0251 \\ 3064 \\ \hline{0456} \\ 3070 \\ 5482 \\ \hline{0456} \\ 3070 \\ 548$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c} 02201574 & 1987 & 2400 & 2812 & 3225 \\ 5702 & 6115 & 6528 & 6940 & 7353 \\ 9830 & 0242 & 0655 & 1068 & 1481 \\ 02213957 & 4370 & 4782 & 5195 & 5608 \\ 8084 & 8497 & 8909 & 9322 & 9735 \\ 02222210 & 2623 & 3036 & 3448 & 3861 \\ 6337 & 6749 & 7162 & 7574 & 7987 \\ 02230462 & 0875 & 1287 & 1700 & 2112 \\ 4588 & 5000 & 5413 & 5825 & 6238 \\ 8713 & 9125 & 9538 & 9950 & 0362 \\ 02242837 & 3250 & 3662 & 4074 & 4487 \\ 6961 & 7374 & 7786 & 8198 & 8611 \\ 02251085 & 1497 & 1910 & 2322 & 2734 \\ 5208 & 5621 & 6033 & 6445 & 6858 \\ 9331 & 9744 & 0156 & 0568 & 0980 \\ 02263454 & 3866 & 4278 & 4691 & 5103 \\ 02271698 & 2110 & 2522 & 2934 & 3347 \\ 5819 & 6232 & 6644 & 7056 & 7468 \\ 9940 & 0353 & 0765 & 1177 & 7589 \\ 02284061 & 4473 & 4885 & 5297 & 5709 \\ 8181 & 8593 & 9005 & 9417 & 9829 \\ 02292301 & 2713 & 3125 & 3537 & 3949 \\ 6421 & 6833 & 7244 & 7656 & 8068 \\ 0230 & 0540 & 0952 & 1363 & 1775 & 2187 \\ 4658 & 5070 & 5482 & 5894 & 6306 \\ 8777 & 9189 & 9600 & 0012 & 0424 \\ 02312895 & 3306 & 3718 & 4130 & 4542 \\ \end{array}$	$\begin{array}{c} 02201574 \ 1987 \ 2400 \ 2812 \ 3225 \ 3638 \\ \hline 5702 \ 6115 \ 6528 \ 6940 \ 7353 \ 7766 \\ \hline 9830 \ 0242 \ 0655 \ 1068 \ 1481 \ \hline 1893 \\ 02213957 \ 4370 \ 4782 \ 5195 \ 5608 \ 6021 \\ 8084 \ 8497 \ 8909 \ 9322 \ 9735 \ \hline 0147 \\ 02222210 \ 2623 \ 3036 \ 3448 \ 3861 \ 4274 \\ \hline 6337 \ 6749 \ 7162 \ 7574 \ 7987 \ 8399 \\ 0223 \ 0462 \ 0875 \ 1287 \ 1700 \ 2112 \ 2525 \ 858 \ 5000 \ 5413 \ 5825 \ 6238 \ 6650 \ \hline 0775 \ 02242837 \ 3250 \ 3662 \ 4074 \ 4487 \ 4899 \\ 02242837 \ 3250 \ 3662 \ 4074 \ 4487 \ 4899 \\ 02251085 \ 1497 \ 1910 \ 2322 \ 2734 \ 3147 \ 5208 \ 5621 \ 6033 \ 6445 \ 6858 \ 7270 \ 9331 \ 9744 \ 0156 \ 0568 \ 0980 \ 1393 \ \hline 0226 \ 3454 \ 3866 \ 4278 \ 4691 \ 5103 \ 5515 \ \hline 0227 \ 1698 \ 2110 \ 2522 \ 2934 \ 3347 \ 3759 \ 0227 \ 1698 \ 2110 \ 2522 \ 2934 \ 3347 \ 3759 \ 940 \ 0353 \ 0765 \ 1177 \ 1589 \ 2001 \ 0228 \ 4061 \ 4473 \ 4885 \ 5297 \ 5709 \ 6121 \ 0229 \ 2301 \ 2713 \ 3125 \ 3537 \ 3949 \ 4361 \ 6421 \ 6833 \ 7244 \ 7656 \ 8068 \ 8480 \ 0230 \ 0540 \ 0952 \ 1363 \ 1775 \ 2187 \ 2599 \ 4658 \ 5070 \ 5482 \ 5894 \ 6306 \ 6718 \ 8777 \ 9189 \ 96071 \ 02321129 \ 1541 \ 1953 \ 2364 \ 2776 \ 3188 \ \hline \end{array}$	$\begin{array}{c} 02201574 \ 1987 \ 2400 \ 2812 \ 3225 \ 3638 \ 4051 \\ 5702 \ 6115 \ 6528 \ 6940 \ 7353 \ 1481 \ 8930 \ 0242 \ 0655 \ 1068 \ 1481 \ 892 \ 2021 \ 3957 \ 4370 \ 4782 \ 5195 \ 5608 \ 6021 \ 6337 \ 6749 \ 7899 \ 9322 \ 9735 \ 0147 \ 0560 \ 0222 \ 2210 \ 2623 \ 3036 \ 3448 \ 3861 \ 4274 \ 4686 \ 6337 \ 6749 \ 7162 \ 7574 \ 7987 \ 8399 \ 8812 \ 0223 \ 0462 \ 0875 \ 1287 \ 1700 \ 2112 \ 2525 \ 2938 \ 4588 \ 5000 \ 5413 \ 5825 \ 6238 \ 6650 \ 7063 \ 8713 \ 9125 \ 9538 \ 9950 \ 3662 \ 0775 \ 1187 \ 0224 \ 2837 \ 3250 \ 3662 \ 4074 \ 4487 \ 4899 \ 5312 \ 0224 \ 2837 \ 3250 \ 3662 \ 4074 \ 4487 \ 4899 \ 5312 \ 0225 \ 1085 \ 1497 \ 1910 \ 2322 \ 2734 \ 3147 \ 3559 \ 0226 \ 3454 \ 3866 \ 4278 \ 4691 \ 5103 \ 5515 \ 5927 \ 7576 \ 7988 \ 8401 \ 8813 \ 9225 \ 9637 \ 0049 \ 0227 \ 1698 \ 2110 \ 2522 \ 2934 \ 3347 \ 3759 \ 4171 \ 5819 \ 6232 \ 6644 \ 7056 \ 7468 \ 7880 \ 8292 \ 9940 \ 0353 \ 0765 \ 1177 \ 1589 \ 2001 \ 2413 \ 0228 \ 4061 \ 4473 \ 4885 \ 5297 \ 5709 \ 6121 \ 6533 \ 0229 \ 2301 \ 2713 \ 3125 \ 3537 \ 3949 \ 3611 \ 4773 \ 6421 \ 6833 \ 7244 \ 7656 \ 8068 \ 8480 \ 8892 \ 0230 \ 0540 \ 0952 \ 1363 \ 1775 \ 2187 \ 2599 \ 3011 \ 4658 \ 5070 \ 5482 \ 5894 \ 6306 \ 6718 \ 7129 \ 8777 \ 9189 \ 9600 \ 0012 \ 0424 \ 0855 \ 5366 \ 7012 \ 7424 \ 7836 \ 8247 \ 8659 \ 9071 \ 9482 \ 0232 \ 1129 \ 1541 \ 1953 \ 2364 \ 2776 \ 3188 \ 3599 \ 00110 \ 3188 \ 3599 \ 00110 \ 3188 \ 3599 \ 001100000000000000000000$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

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10550 51 52	0233 347	2 9774 8 3890	$\begin{array}{c} \overline{0186} \\ 4301 \end{array}$	$\begin{array}{c} \overline{0597} \\ 4713 \end{array}$	$\begin{array}{c} \overline{1009} \\ 5125 \end{array}$	5536		$\begin{array}{c} 2244 \\ 6359 \end{array}$	$\begin{array}{c} \overline{2655} \\ 6771 \end{array}$	3067 7182	
53 54 55	0234 170 582	4 6235	2532 6647	8828 2943 7058	3355 7470	7881	4178 8292	0474 4589 8704	9115	5412 9527	412 1 41 2 82
56 57 58 59	0235 405	6 8577	4875 8988	5286 9400		$\frac{6109}{0222}$		6932	$\frac{3229}{7343}$ $\frac{1456}{5560}$		3 124 4 165 5 206 6 247
60 10561 62	639 023 <b>7</b> 050	2 6803	7214 1327	7626 1738	8037 2149	8448 2560			9682 3794 7906	0093 4205	7 288 8 330 9 371
63 64 65	872 0238 283	8 9139	9550 3661	$\begin{array}{c} 9961 \\ 4073 \end{array}$	$\begin{array}{c} \overline{0373} \\ 4484 \end{array}$	0784 4895	$\begin{array}{c} \overline{1195} \\ 5306 \end{array}$		$\begin{array}{c} \overline{2017} \\ 6128 \end{array}$	$\begin{array}{c} \overline{2428} \\ 6539 \end{array}$	411
66 67 68 69 70	928 0240 339	1 5582 0 9691	4212	$\begin{array}{c} 6404 \\ \hline 0513 \\ 4623 \end{array}$	$\frac{6815}{0924} \\ 5033$	$\begin{array}{r} \overline{1335} \\ 5444 \end{array}$	$\frac{7637}{1746}$ $5855$	$\begin{array}{r} 3938 \\ \underline{8048} \\ 2157 \\ \underline{6266} \\ 0375 \end{array}$	$\frac{8459}{2568}$ $\frac{6677}{6677}$		1 41 2 82 3 123 4 164 5 206
10571 72 73 74	0241 160 571	7 2018 5 6126 3 0234	$2429 \\ 6537 \\ \hline 0645$	2840 6948 1055 5163	3251 $7359$ $1466$	$\begin{array}{r} 3661 \\ 7769 \\ \hline 1877 \end{array}$	$\frac{4072}{8180} \\ \hline 2288$		$\frac{4894}{9002} \\ \hline 3109$	$5305 \\ 9412 \\ \hline 3520$	6 247 7 288 8 329 9 370
75 76 77	803 0243 214 625	8 8448 4 2555 0 6661	8859 2965 7072	9270 3376 7482	9680 3787 7893	0091 4197 8303	$\begin{array}{c} \overline{0502} \\ 4608 \\ 8714 \end{array}$	0912 $5019$ $9125$	1323 5429 9535	1734 5840 9946	410
78 79 80	0244 035 446 856 0245 267	2 4872 7 8977	5283	1588 5693 9798 3903	$\frac{6104}{0209}$	$\frac{6514}{0619}$	1030	$\frac{7335}{1440}$		$\frac{8156}{2261}$	1 41 2 82 3 123 4 164
82 83 84 85	677 0246 088 498	6 7186	7597 1700 5804	8007 2111 6214	8417 2521 6624	8828 2931 7035	9238 3342 7445	5544 9648 3752 7855 1958	$     \begin{array}{r}       0\overline{059} \\       4162 \\       8266     \end{array} $		5 205 6 246 7 287 8 328 9 369
86 87 88 89 90	0248139 549	1 7702	8112 2214 6315	8522 2624 6725	8932	9342 3444 7545	9753 3854	8366	$\begin{array}{c} \overline{0573} \\ 4675 \end{array}$		409
10591 92 93 94	0249 369 779 0250 189 599	7 4107 7 8207 7 2307	4517 8617	4927 9027		5747 9847 3947	$\frac{6157}{0257}$ $4357$	$\frac{6567}{0667}$ 4767	$\frac{6977}{1077}$	$\frac{7387}{1487}$ $5587$	2 82 3 123 4 164 5 205
95 96 97	0251 009 419		0916 5015	1326 5425	1736 5834		2555		3375	9686 $3785$ $7884$ $1982$	6 245 7 286 8 327 9 368
98 99 10600	0252 239	2 2801 9 6899	3211 7309	3621 7718	4031 8128	4440 8538	4850 8948	5260	5670 9767	$\frac{6079}{0177}$	

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10600	0253	0587		1406		2225	2635	3045	3454		4274	
01		4683		5503	-	$\frac{6322}{6440}$	$\frac{6732}{60000}$	$\frac{7141}{1000}$	$\frac{7551}{10017}$	$\frac{7961}{20057}$	$\frac{8370}{2427}$	
02 03	0054	8780 2876			0009		0828	1238	1647	2057	2467	41.
04	0234		7381	7791	4105 8201			5334 9429		$\frac{6153}{0248}$		41
05	0255		1477	1886	2296			3524		4343	4753	2
06				5981			7210		8029	8438	8847	3 1
07				$\frac{5981}{0076}$				$\frac{7619}{1713}$		$\frac{0430}{2532}$	$\frac{2941}{2942}$	4 1
08	0256			4170					6217		7036	6 2
09				8264		9082	9492	9901	$\overline{0310}$	$\overline{0720}$	$\overline{1129}$	7 2
10	0257	1538	1948	2357	2766	3176	3585	3994	4404	4813	5222	8 3
10611		5631	6041	6450	6859	7269	7678	8087	8496	8906	9315	9 3
12		9724	0133	$\overline{0543}$	$\overline{0952}$	$\overline{1361}$	$\overline{1770}$	$\overline{2180}$	$\overline{2589}$	$\overline{2998}$	$\overline{3407}$	
13	0258			4635		5453		6272	6681	7090	7499	
14	0050		8317	8727	9136	9545		$\overline{0363}$	0772	1182	1591	40
15	0259			2818		3636		4455			5682	40
16				6909		7727	8136	8545		9364	9773	2
17	0260	0182		1000			2227	2636	3045	3454	3863	3 1
18 19		$4272 \\ 8362$		5090 9180		5908	$\frac{6317}{0407}$	$\frac{6726}{0816}$	$\frac{7135}{1225}$	$\frac{7544}{1634}$	$\frac{7953}{2043}$	4 1
20	0261		2861		3678			4905		5723		5 2
	0201								9403	9812	$\overline{0221}$	6 2 7 2
$\begin{array}{c} 10621 \\ 22 \end{array}$	0262			7359 1447	7768 1856	8176	8585 2674	8994 3083			4309	8 3
23	0202		5127		5945	6353	6762	7171	7580	7989	8397	9 3
24		-		9624	The same of the same of		$\frac{0102}{0850}$	$\frac{125}{1259}$	1668	$\frac{1000}{2076}$		
25	0263		3303		4120					6164		
26		6981	7390	7799	8207	8616	9025	9433	9842	$\overline{0251}$	0659	
27	0264				2294			3520			4746	40
28		5155	5563	5972	6380	6789	7198	7606	8015	8424	8832	1 .
29			9649	$\overline{0058}$	$\overline{0466}$				$\overline{2}\overline{1}\overline{0}\overline{1}$		2918	3 1
30	0265	3326	3735	4144	4552	4961	5369	5778	6186	6595	7003	4 1
10631					8637			9863		$\overline{0680}$	1088	5 2
32	0266		1905		2722	3131			4356		5173	6 2
33				$\frac{6398}{6400}$	THE REAL PROPERTY.	THE REAL PROPERTY.	and the same of th	8032		8849	$\frac{9257}{20047}$	7 2 8 3
34 35	0967	9666		$0482 \\ 4566$	4974	1299	1708		2524	2933 7016	3341 7425	9 3
	0201							6200				
36	0000		8241		9058		9874			1099		
37 38	0268	1916	2324 6407	2732	$\frac{3141}{7223}$	3549	3957	4366 8448		5182 9264	5590	
39	0260		0407		1306		2122		2938	3346	3755	40
40	0203		4571		5387				7020	7428	7836	1
10641		8244		9061	9469	9877	0285	0693	1101	1509	1917	2
42	0270		2734		0 = 0 0	3958		4774		2000	5998	3 1:
43	32.0		6814			8038	8446		9263	9671	-	5 20
44	0271	0487	0895	1303	1711	2119	2527			3751	4159	6 24
45		4567	4975	5383	5790	6198	6606	7014	7422	7830	8238	7 2 8 3
46		8646	9054	9462	9870	$\overline{0278}$	0686	$\overline{1094}$	$\overline{1502}$	$\overline{1910}$	$\overline{2318}$	9 3
47	0272	2725	3133	3541			4765	5173	5581		6396	
48				7620				9251		0067	$\overline{0475}$	
49	0273			1698				3330	3737	4145	4553	
10650		4961	5369	5776	6184	0592	7000	7407	1819	8223	8031	

No.	0	1	2	3	4	5	6	7	8	9	Diff.
10650 51 52 53	0274 3116 7193	9446 $3523$ $7600$	9854 3931 8008	$     \begin{array}{r}       \hline       0262 \\       4339 \\       8416     \end{array} $	0669 $4747$ $8823$	5154 9231	$\begin{array}{r} 7407 \\ \hline 1485 \\ 5562 \\ 9639 \\ \end{array}$	$\frac{\overline{1893}}{5970} \\ \frac{5970}{0046}$	$\begin{array}{c} \overline{2300} \\ 6377 \\ \overline{0454} \end{array}$	$\frac{6785}{0862}$	408
54 55 56 57 58	9421 0276 3497	5753 9829 3904	$6161 \\ \hline 0236 \\ 4312$	$6568 \\ \hline 0644 \\ 4719$	5127	$\frac{\overline{1459}}{5534}$	3715 $7791$ $1866$ $5942$	$8198$ $\overline{2274}$ $6349$	$\frac{2682}{6757}$	$9014$ $\overline{3089}$ $7164$	1 41 2 82 3 122 4 163 5 204
59 60 10661 62		$2054 \\ 6128 \\ \hline 0202$	$2461 \\ 6535 \\ \hline 0609$	2869 6943	$3276$ $7350$ $\overline{1424}$	$   \begin{array}{r}     3683 \\     7757 \\     \hline     1831   \end{array} $	$0016$ $4091$ $8165$ $\overline{2238}$ $6312$	4498		5313	6 245 7 286 8 326 9 367
63 64 65 66	$\begin{array}{r} 7941 \\ 02792014 \end{array}$	8348 2421 6493	8755 2828 6900	9163 3235 7308	9570 3643	9977 4050 8122	$     \begin{array}{r}       0312 \\       \hline       0385 \\       4457 \\       \hline       8529 \\       \hline       2601 \\     \end{array} $	$\begin{array}{c} \overline{0792} \\ 4864 \end{array}$	$\begin{array}{c} \overline{1}\overline{1}\overline{9}\overline{9} \\ 5272 \end{array}$	1606 5679 9751	407
67 68 69 70	4230	4637 8708 2779 6849	5044 9115 3186	5451	5858 9929 4000	$\begin{array}{r} 6265 \\ \hline 0336 \\ 4407 \end{array}$	6672	$\begin{array}{c} 7079 \\ \hline 1150 \\ 5221 \end{array}$	$\frac{7486}{1557}$ $5628$	$\frac{7894}{1964}$ $6035$	2 81 3 122 4 163 5 204 6 244
10671 72 73 74 75	$\begin{array}{c} 8651 \\ 02832720 \end{array}$	4989 9058	5396 9465 3534	9872	$\frac{6209}{0279} \\ 4347$	$\frac{\overline{0685}}{4754}$	$\begin{array}{c} 2954 \\ \underline{7023} \\ \overline{1092} \\ 5161 \\ 9229 \end{array}$	$\begin{array}{c} \overline{1499} \\ 5568 \end{array}$	$\begin{array}{r} 7837 \\ \hline 1906 \\ 5975 \end{array}$	$\frac{8244}{2313}$	7 285 8 326 9 366
76 77 78 79 80	8992 0285 3059	5331 9398	5738 9805 3872	$\begin{array}{r} 6145 \\ \hline 0212 \\ 4279 \end{array}$		$\frac{6958}{1025} \\ 5092$		$\frac{7771}{1839}$ $5905$	6312		406 1 41 2 81 3 122
10681 82 83 84 85	$02861192\\5257\\9323\\02873388\\7453$	5664 9729 3794	$\tfrac{6070}{0136}$	$\frac{6477}{0542} \\ 4607$	$\frac{6884}{0949}$	$\frac{7290}{1355}$ $5420$	$\begin{array}{c} 3631 \\ 7697 \\ \hline 1762 \\ 5827 \\ 9891 \end{array}$		$\begin{array}{r} 4444 \\ \underline{8510} \\ \underline{2575} \\ \underline{6640} \\ \underline{0704} \end{array}$	$\frac{8916}{2981}$	4 162 5 203 6 244 7 284 8 325 9 365
86 87 88 89 90	9645 0289 3708	$\frac{5987}{0051}$	$\frac{6394}{0457} \\ 4520$	$\frac{6800}{0864} \\ 4927$	7206	$\frac{7613}{1676}$	$\begin{array}{c} 3955 \\ \underline{8019} \\ \overline{2082} \\ \underline{6145} \\ \overline{0208} \end{array}$	$\begin{array}{r} 4362 \\ \underline{8425} \\ \underline{2489} \\ \underline{6552} \\ \underline{0614} \end{array}$	$\frac{8832}{2895}$	$\frac{9238}{3301}$ $7364$	405
10691 92 93 94 95	0291 4018	$\begin{array}{r} 6301 \\ \hline 0363 \\ 4424 \end{array}$	$\frac{6707}{0769}$	$\begin{array}{c} 7114 \\ \hline 1175 \\ 5236 \end{array}$		$\frac{7926}{1987}$ $6048$	$\begin{array}{r} 4270 \\ 8332 \\ \hline 2394 \\ \underline{6455} \\ \hline 0515 \end{array}$	$\begin{array}{c} 4676 \\ \underline{8738} \\ \underline{2800} \\ \underline{6861} \\ \underline{0921} \end{array}$	$5083 \\ \underline{9144} \\ \overline{3206} \\ \underline{7267} \\ \underline{1327}$	$\frac{9551}{3612}$	2 81 3 122 4 162 5 203 6 243 7 284
96 97 98 99 10700	0293 0259 4319	$6606 \\ 0665$	7012 1071 5131	7418 1477 5536	7824 1883 5942	8230 2289 6348	$4576 \\ 8635 \\ 2695 \\ 6754 \\ \hline 0813$	9041 3101 7160	9447 3507 7566	9853 3913 7972	8 324 9 365

P 199

No.		0	1	2	3	4	5	6	7	8	9	Diff
10700 01 02 03 04	0294	$2436 \\ 6495 \\ 0553$	2842 6900 0958	3248	3654 7712 1770		0407 4466 8524 2581 6639	8929 2987	5277 9335 3393	5683 9741	4204	
05 06 07		8667 $2724$ $6780$	9073 3130 7186	9479 3535 7591 1647	9884 3941 7997		0696 4752 8808	$\overline{1101}$ $5158$ $9214$	1507	$\frac{1913}{5969} \\ \frac{5969}{0025}$	$\overline{2318}$	406 1 4 2 8
09 10 10711 12		8947 3002 7056	9353 3407 7462	5703 9758 3813 7867 1921	$\overline{0164}$ $4218$ $8273$	$\overline{0569}$ $4624$ $8678$	$   \begin{array}{r}       6920 \\       \hline       0975 \\       5029 \\       9083   \end{array} $	$\frac{7325}{1380}$ $5435$ $9489$	$\frac{7731}{1786}$ $5840$ $9894$	$\frac{8136}{2191}$	$\begin{array}{r} 8542 \\ \hline 2596 \\ \hline 6651 \\ \hline 0705 \\ \end{array}$	3 12 4 16 5 20 6 24 7 28 8 32
14 15 16 17	0300	5164 9218 3270 7323	5570 9623 3676 7728	$\begin{array}{c} \frac{5975}{0028} \\ 4081 \\ 8134 \end{array}$	$\frac{6380}{0433}$ $4486$ $8539$	$\frac{6786}{0839}$ $4892$ $8944$	$\frac{7191}{1244}$ $5297$ $9349$	$\begin{array}{c} 7596 \\ \hline 1649 \\ 5702 \\ 9754 \end{array}$	$\begin{array}{c} 8002 \\ \hline 2055 \\ \hline 6107 \\ \hline 0160 \\ \end{array}$	$\begin{array}{r} 8407 \\ \hline 2460 \\ \hline 6513 \\ \hline 0565 \\ \end{array}$	$\frac{8812}{2865}$	9 36
19 20 10721	0302	5427 9479 3530	5832 9884 3935		$\frac{6643}{0694}$ 4745	$\frac{7048}{1099}$ 5150	$\frac{7453}{1504}$ $5555$	$\frac{7858}{1909}$ $5960$	$\begin{array}{c} \overline{2314} \\ 6365 \end{array}$	$\frac{8668}{2719} \\ 6770$	3125 7175	405 1 4 2 8
24 25	0303	1631 5681 9730	2036 6086	$8390$ $2441$ $6490$ $\overline{0540}$ $4589$	$\begin{array}{c} 2846 \\ 6895 \end{array}$	$\frac{7300}{1350}$	$\begin{array}{r} 3656 \\ 7705 \\ \hline 1755 \end{array}$	4061	$\frac{8515}{2565}$	$4871 \\ \underline{8920} \\ \underline{2969}$	$   \begin{array}{r}     1226 \\     5276 \\     9325 \\     \hline     3374 \\     \hline     7423 \\   \end{array} $	3 12 4 16 5 20 6 24 7 28
27 28 29 30	0305	7828 1876 5925 9972	$\begin{array}{c} 8233 \\ 2281 \\ \underline{6329} \\ \overline{0377} \end{array}$	$\begin{array}{c} 8638 \\ 2686 \\ \underline{6734} \\ \overline{0782} \end{array}$	9043 $3091$ $7139$ $1186$	9447 3496 7544 1591	$\begin{array}{c} 9852 \\ 3901 \\ \hline 7948 \\ \hline 1996 \end{array}$	$\begin{array}{r} \overline{0257} \\ 4305 \\ \underline{8353} \\ 2401 \end{array}$	$\begin{array}{c} \overline{0662} \\ 4710 \\ 8758 \\ \overline{2805} \end{array}$	$   \begin{array}{r}     \hline     1067 \\     5115 \\     9163 \\     \hline     3210   \end{array} $	1472 5520 9567 3615	8 32 9 36
32 33 34	0307	2113 6159	8471 2518 6564	4829 8876 2922 6968 1014	3327 7373	3731 7777	$\overline{0090}$ 4136 8182	4541 8587	$\begin{array}{c} \overline{0899} \\ 4945 \end{array}$	7257 1304 5350 9396 3441	1708 5754	404
39	0309	8295 2340 6384	8700 2744	5059 9104 3149 7193 1237	9509 3553	9913 3958 8002	8406	$\begin{array}{c} \overline{0722} \\ 4767 \end{array}$	5171 9215	$\frac{7486}{1531}$ $\frac{5575}{9619}$ $\frac{3663}{3663}$	$   \begin{array}{c c}     \hline             1936 \\             5980 \\             \hline             0024 \\     \end{array} $	2 8 3 12 4 16 5 20 6 24 7 28
44	311	8515 2558 6600	8919 2962 7004	5280 9323 3366 7408 1450	9728 3770 7813	$\overline{0}1\overline{3}\overline{2}$ $4175$	$\begin{array}{c} \overline{0536} \\ 4579 \end{array}$	4983 9025	$\frac{\overline{1345}}{5387}$	1749 5792 9834	$ \begin{array}{c} 8111 \\ \hline 2153 \\ 6196 \\ \hline 0238 \\ 4279 \end{array} $	8 32 9 36
46 47		4684 8725 2766	5088 9129 3170	5492 9533 3574	5896 9937	$\frac{6300}{0341}$ $4382$	$\frac{6704}{0745}$ $4786$ $8826$	$\frac{7108}{1149}$ $5190$	$\frac{7513}{1554}$ $\frac{5594}{5594}$	$\frac{7917}{1958}$ $5998$	$     \begin{array}{r}       8321 \\       \hline       2362 \\       \hline       6402     \end{array} $	

-	1										
No.	0	1	2	3	4	5	6	7	8	9	Diff.
10750 51 52 53 54	4886 8926 0315 2965 7003	5290 9329 3368 7407	5694 9733 3772 7811	$\begin{array}{c} 6098 \\ \hline 0137 \\ 4176 \\ 8215 \end{array}$	$\begin{array}{c} 6502 \\ \hline 0541 \\ 4580 \\ 8619 \end{array}$	2866 6906 0945 4984 9022	9426	$\frac{7714}{1753}$ $5792$ $9830$	$\begin{array}{c} 8118 \\ \hline 2157 \\ 6196 \\ \hline 0234 \\ \end{array}$	$\frac{2561}{6599} \\ \hline 0638$	
55 56 57 58 59 60	9117 0317 3154	5483 9521 3558 7594	9924 3961 7998	$\begin{array}{c} 4365 \\ 8402 \end{array}$	$\begin{array}{c} 6694 \\ \hline 0732 \\ 4769 \\ 8805 \end{array}$		1539 5576 9613	$\frac{7906}{1943}$ $5980$	$\begin{array}{c} \overline{2347} \\ \underline{6383} \\ \overline{0420} \end{array}$	$\begin{array}{c} \hline 2750 \\ 6787 \\ \hline 0824 \\ \end{array}$	404 1 40 2 81 3 121 4 162 5 202
10761 62 63 64 65	5263	5667 9702 3738 7772	$\begin{array}{c} 6070 \\ \hline 0106 \\ 4141 \\ 8176 \end{array}$	$\frac{6474}{0509} \\ 4545$	$\begin{array}{c} 6877 \\ \hline 0913 \\ 4948 \\ 8983 \end{array}$	5352	$\overline{1720}$ $5755$ $9790$	$\begin{array}{r} 8088 \\ \hline 2123 \\ 6158 \\ \hline 0193 \\ 4227 \end{array}$		$\frac{6965}{1000}$	6 242 7 283 8 323 9 364
66 67 68 69 70	$\begin{array}{r} 9471 \\ 0321 \ 3505 \\ 7538 \\ 0322 \ 1570 \end{array}$	7941 1974	0278 4311 8344 2377	0681 4715 8748 2780	1085 5118 9151 3183	1488 5521 9554 3587	1891 5925 9957 3990	$\frac{\overline{0361}}{4393}$	$   \begin{array}{r}     \hline     2698 \\     6731 \\     \hline     0764 \\     4796   \end{array} $	$     \begin{array}{r}       \hline       3101 \\       7134 \\       \hline       1167 \\       5199     \end{array} $	403
72 73 74 75	9634 03233666 7697 03241728	8100 2131	0441 4472 8503 2534	0844 4875 8906 2937	5278 9309 3340	1650 5682 9713 3743	$\frac{6085}{0116} \\ 4146$	$\frac{6488}{0519} \\ 4549$	$\begin{array}{r} 2860 \\ 6891 \\ \hline 0922 \\ 4952 \end{array}$	$\frac{7294}{1325}$ $5355$	1 40 2 81 3 121 4 161 5 202 6 242
76 77 78 79 80	9788 0325 3818 7847 0326 1876	8250 <b>2279</b>	0594 4624 8653 2682	0997 5027 9056 3085	5430 9459 3488	9862 3890	$\begin{array}{c} \overline{2206} \\ \underline{6236} \\ \overline{0265} \\ \underline{4293} \end{array}$	$\frac{6638}{0667}$ $4696$	$\frac{7041}{1070}$ 5099		7 282 8 322 9 363
82 83 84 85	$\begin{array}{c} 9933 \\ 03273961 \\ 7988 \\ 03282015 \end{array}$	8391 2418	0738 4766 8793 2820	$     \begin{array}{r}       1141 \\       5169 \\       9196 \\       3223     \end{array} $	1544 5572 9599 3626	$   \begin{array}{r}     \hline       1947 \\       5974 \\       \hline       0001 \\       4028   \end{array} $		$\frac{\overline{0807}}{4834}$	$\frac{1210}{5236}$		402
86 87 88 89 90	0329 0068 4094 8119 0330 2144	4496 8522 2547	0873 4899 8924 2949	1276 5301 9327 3352	1678 5704 9729 3754	$\begin{array}{c} 2081 \\ \underline{6107} \\ 0132 \\ 4157 \end{array}$	$\begin{array}{c} 2483 \\ \underline{6509} \\ \overline{0534} \\ 4559 \end{array}$	$\begin{array}{c} 8860 \\ 2886 \\ \underline{6912} \\ 0937 \\ 4962 \end{array}$	3289 $7314$ $1339$ $5364$	$\frac{7717}{1742}$ $5767$	2 80 3 121 4 161 5 201 6 241 7 284
92 93 94 95	0331 0194 4218	4620 8644	$\begin{array}{c} 0999 \\ 5022 \end{array}$	1401 5425 9448	7779 1803 5827 9851 3874	$\frac{6230}{0253}$	$\begin{array}{c} 2608 \\ \underline{6632} \\ \overline{0655} \end{array}$	$8986 \\ 3011 \\ 7034 \\ \hline 1058 \\ 5081$	$\begin{array}{c} 3413 \\ \underline{7437} \\ 1460 \end{array}$	$\frac{7839}{1862}$	8 322 9 362
96 97 98 99 10800	0333 0310 4332 8354	6690 0712 4735 8756	1115 5137	$\begin{array}{c} 1517 \\ 5539 \end{array}$	1919 5941	$\begin{array}{r} 8299 \\ 2321 \\ -6343 \\ \hline 0365 \end{array}$	$\begin{array}{c} 2723 \\ 6745 \end{array}$	3126	$\begin{array}{c} 9506 \\ 3528 \\ 7550 \\ \hline 1571 \end{array}$	$\frac{3930}{7952}$	

## REDUCTION OF COMMON TO NAPERIAN LOGARITHMS.

Com. Log.	Naperian Log.	Com. Log.	Naperian Log.	Com. Log.	Naperian Log.	Com. Log.	Naperian Log.
1	2.30258509	26	59.86721242	51	117.43183974	76	174 99646707
2	4.60517019	27	62.16979751	52	119:73442484	77	177 29905216
3	6.90775528	28	64.47238260	53	122.03700993	78	179.60163725
4	9.21034037	29	66.77496770	54	124 33959502	79	181.90422235
5	11.51292546	30	69.07755279	55	126.64218011	80	184 • 20680744
6	13.81551056	31	71.38013788	56	128 94476521	81	186.50939253
7	16.11809565	32	73.68272298	57	131.24735030	82	188.81197763
8	18.42068074	33	75.98530807	58	133.54993539	83	191.11456272
9	20.72326584	34	78 28 78 9316	59	135.85252049	84	193.41714781
10	23.02585093	35	80.59047825	60	138.15510558	85	195.71973290
11	25.32843602	36	82.89306335	61	140.45769067	86	198.02231800
12	27.63102112	37	85.19564844	62	142.76027576	87	200.32490309
13	29.93360621	38	87.49823353	63	145.06286086	88	202.62748818
14	32.23619130	39	89.80081863	64	147 *36544595	89	204 93007328
15	34.53877639	40	92.10340372	65	149.66803104	90	207 • 23265837
16	36.84136149	41	94.40598881	66	151.97061614	91	209.53524346
17	39.14394658	42	96.70857391	67	154.27320123	92	211.83782856
18	41.44653167	43	99.01115900	68	156.57578632	93	214.14041365
19	43.74911677	44	101.31374409	69	158.87837142	94	216.44299874
20	46.05170186	45	103.61632918	70	161 18095651	95	218.74558383
21	48.35428695	46	105 91891428	71	163.48354160	96	221.04816893
22	50.65687205	47	108.22149937	72	165.78612670	97	223.35075402
23	52.95945714	48	110.52408446	73	168.08871179	98	225.65333911
24	55.26204223	49	112.82666956	74	170:39129688	99	227.95592421
25	57.56462732	50	115.12925465	75	172.69388197	100	230.25850930

## REDUCTION OF NAPERIAN TO COMMON LOGARITHMS.

Nap. Log.	Common Log.	Nap. Log.	Common Log.	Nap. Log.	Common Log.	Nap. Log.	Common Log.
1	0.43429448	26	11.29165653	51	22.14901858	76	33.00638062
2	0.86858896	27	11.72595101	52	22.58331306	77	33.44067511
3	1.30288345	28	12.16024549	53	23.01760754	78	33.87496959
4	1.73717793	29	12.59453998	54	23.45190202	79	34.30926407
5	2.17147241	30	13.02883446	55	23.88619650	80	34.74355855
6	2.60576689	31	13.46312894	56	24.32049099	81	35.17785303
7	3.04006137	32	13.89742342	57	24.75478547	82	35.61214752
8	3.47435586	33	14.33171790	58	25.18907995	83	36.04644200
9	3.90865034	34	14.76601238	59	25.62337443	84	36.48073648
10	4.34294482	35	15.20030687	60	26.05766891	85	36.91503096
11	4.77723930	36	15.63460135	61	26.49196340	86	37:34932544
12	5.21153378	37	16.06889583	62	26*92625788	87	37.78361993
13	5.64582826	38	16.50319031	63	27 * 36055236	88	38.21791441
14	6.08012275	39	16.93748479	64	27.79484684	89	38.65220889
15	6.51441723	40	17:37177928	65	28.22914132	90	39.08650337
16	6.94871171	41	17.80607376	66	28.66343581	91	39.52079785
17	7:38300619	42	18.24036824	67	29.09773029	92	39.95509234
18	7.81730067	43	18.67466272	68	29.53202477	93	40.38938682
19	8.25159516	44	19.10895720	69	29.96631925	94	40.82368130
20	8.68588964	45	19.54325169	70	30.40061373	95	41.25797578
21	9.12018412	46	19.97754617	71	30.83490822	96	41.69227026
22	9.55447860	47	20.41184065	72	31.26920270	97	42.12656474
23	9.98877308	48	20.84613513	73	31.70349718	98	42.56085923
24	10.42306757	49	21.28042961	74	32.13779166	99	42.99515371
25	10.85736205	50	21.71472410	75	32.57208614	100	43.42944819

,	~	Th. I.M.			70100	C. t	~		and a	,
	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
0	In. Neg.	Infin.	Infinite	In. Neg.	Infin.	Infinite	10.00000000		10.0000000	60
1 2	6·4637261 6·7647561	3010300	13·5362739 13·2352439	6·4637261 6·7647562	3010301	13.5362739 13.2352438	10.0000000	T	9.9999999	59 58
3	6.9408473	1760912 1249387	13.0591527	6.9408475	1760913 1249388	13.0591525	10.0000002	1	9-9999998	57
4 5	7.0657860	969100	12.9342140	7.0657863	969101	12.9342137	10.0000003	2	9-9999997	56
	7.1626960	791811	12.8373040	7.1626964	791814	12.8373036	10.0000005	2	9-9999995	55
6	7.2418771	669468	12.7581229	7.2418778	669470	12.7581222	10.0000007	2	9*9999993	54
7 8	7·3088239 7·3668157	579918	12.6911761 12.6331843	7·3088248 7·3668169	579921	12.6911752 12.6331831	10.0000009	3	9*9999991 9*9999988	53 52
9	7.4179681	511524 457574	12.5820319	7.4179696	511527 457577	12.5820304	10.0000015	3	9.9999985	51
10	7.4637255	413926	12.5362745	7.4637273	413930	12.5362727	10.0000018	4	9.9999982	50
11	7.5051181	377884	12.4948819	7.5051203	377888	12.4948797	10.0000022	4	9.9999978	49
12	7:5429065	347619	12:4570935	7.5429091	347624	12:4570909	10.0000026	5	9.9999974	48
13	7·5776684 7·6098530	321846	12·4223316 12·3901470	7·5776715 7·6098566	321851	12·4223285 12·3901434	10.0000031	5	9*9999969 9*9999964	47
15	7.6398160	299630 280285	12:3601840	7.6398201	299635 280291	12:3601799	10.0000041	5	9.9999959	45
16	7.6678445	263288	12:3321555	7.6678492	263294	12:3321508	10.0000047	6	9.9999953	44
17	7.6941733	203288	12:3058267	7.6941786	248240	12:3058214	10.0000053	7	9.9999947	43
18	7.7189966	234809	12·2810034 12·2575225	7·7190026 7·7424841	234815	12·2809974 12·2575159	10.0000060 10.0000066	6	9.9999940	42
20	7·7424775 7·7647537	222762	12.2352463	7.7647610	222769	12.2352390	10.0000003	7	9·9999934 9·9999927	40
21	7.7859427	211890	12.2140573	7.7859508	211898	12.2140492	10.0000081	8	9.9999919	39
22	7.8061458	202031	12.1938542	7.8061547	202039 193057	12.1938453	10.0000089	8	9.9999911	38
23	7.8254507	193049 184831	12.1745493	7.8254604	184840	12.1745396	10.0000097	8	9.9999903	37
24	7.8439338	177285	12·1560662 12·1383377	7.8439444	177294	12·1560556 12·1383262	10.0000106	9	9.9999894	36
25	7.8616623	170330		7.8616738	170339			9	9.9999885	35
26 27	7·8786953 7·8950854	163901	12·1213047 12·1049146	7·8787077 7·8950988	163911	12·1212923 12·1049012	10.0000124 10.0000134	10	9·9999876 9·9999866	34
28	7 9108793	157939	12:0891207	7.9108938	157950	12.0891062	10.0000134	10	9 9999856	32
29	7 9261190	152397 147229	12.0738810	7.9261344	152406 147240	12.0738656	10.0000155	11 10	9.9999845	31
30	7.9408419	142400	12.0591581	7.9408584	142412	12.0591416	10.0000165	12	9.9999835	30
31	7.9550819	137879	12.0449181	7.9550996	137890	12:0449004	10.0000177	11	9.9999823	29
32	7 • 9688698 7 • 9822334	133636	12.0311302 12.0177666	7.9688886 7.9822534	133648	12.0311114 12.0177466	10.0000188 10.0000200	12	9·9999812 9·9999800	28 27
34	7.9951980	129646	12.0048020	7.9952192	129658	12.0047808	10.0000200	12	9.9999788	26
35	8.0077867	125887 122340	11.9922133	8.0078092	125900 122353	11.9921908	10.0000225	13 13	9.9999775	25
36	8.0200207	118988	11.9799793	8.0200445	119001	11.9799555	10.0000238	14	9.9999762	24
37	8.0319195	115814	11.9680805	8.0319446	115828	11.9680554	10.0000252	13	9.9999748	23
38	8.0435009	112805	11.9564991 11.9452186	8.0435274 8.0548094	112820	11.9564726 11.9451906	10.0000265	14	9·9999735 9·9999721	22 21
40	8.0547814 8.0657763	109949	11 9342237	8.0658057	109963	11.9341943	10.0000279	15	9.9999721	20
41	8.0764997	107234	11.9235003	8.0765306	107249	11.9234694	10.0000309	15	9.9999691	19
42	8.0869646	104649 102186	11.9130354	8.0869970	104664 102202	11.9130030	10.0000324	15 16	9.9999676	18
43	8.0971832	99837	11.9028168	8.0972172	99853	11.9027828	10.0000340	16	9*9999660	17
44 45	8·1071669 8·1169262	97593	11.8928331 11.8830738	8·1072025 8·1169634	97609	11.8927975 11.8830366	10.0000356 10.0000372	16	9·9999644 9·9999628	16
		95448			95465			17		
46.	8·1264710 8·1358104	93394	11.8735290 11.8641896	8·1265099 8·1358510	93411	11.8734901 11.8641490	10.0000389	17	9.9999611 9.9999594	14
48	8.1449532	91428 89543	11.8550468	8.1449956	91446 89560	11.8550044	10.0000423	17 18	9 9999577	12
49	8.1539075	87733	11.8460925	8.1539516	87751	11.8460484	10.0000441	18	9.9999559	11
50	8.1626808	85996	11.8373192	8.1627267	86015	11.8372733	10.0000459	19	9.9999541	10
51 52	8.1712804	84325	11.8287196	8.1713282	84344	11.8286718	10.0000478	19	9 9999522	9
53	8·1797129 8·1879848	82719	11.8202871 11.8120152	8·1797626 8·1880364	82738	11.8202374 11.8119636	10.0000497	19	9 · 9999503 9 · 9999484	8 7
54	8.1961020	81172 79683	11.8038980	8.1961556	81192 79703	11.8038444	10.0000536	20 20	9 9999464	6
55	8.2040703	78246	11.7959297	8.2041259	78267	11.7958741	10.0000556	20	9.9999444	5
56	8.2118949	76862	11.7881051	8.2119526	76882	11.7880474	10.0000576	21	9.9999424	4
57	8.2195811	75524	11.7804189	8.2196408	75545	11.7803592	10.0000597	21	9.9999403	3
58	8·2271335 8·2345568	74233	11·7728665 11·7654432	8·2271953 8·2346208	74255	11·7728047 11·7653792	10°0000618 10°0000640	22	9 9999382 9 9999360	2
60	8.2418553	72985	11.7581447	8.2419215	73007	11.7580785	10.0000662	22	9 9999338	0
1	1 7 1									
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
1		-								
	000									-

	1 Deg.									1
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	8.2418553	71779	11.7581447	8.2419215	71.000	11.7580785	10.0000662	22	9.9999338	60
1	8.2490332	70611	11.7509668	8.2491015	71800 70634	11.7508985	10.0009684	22	9 9999316	59
2	8.2560943	69481	11.7439057	8.2561649	69504	11.7438351	10.0000706	23	9.9999294	58
3	8.2630424	68386	11.7369576	8.2631153	68410	11.7368847	10.0000729	24	9.9999271	57
5	8·2698810 8·2766136	67326	11.7301190	8.2699563	67349	11.7300437 11.7233088	10.0000753 10.0000776	23	9·9999247 9·9999224	56 55
		66223	11.7233864	8.2766912	66322			24		
6	8.2832434	65300	11.7167566	8.2833234	65325	11.7166766	10.0000800	25	9.9999200	54
8	8·2897734 8·2962067	64333	11·7102266 11·7037933	8·2898559 8·2962917	64358	11.7101441 11.7037083	10.0000825 10.0000850	25	9 · 9999175 9 · 9999150	52
9	8.3025460	63393	11.6974540	8.3026335	63418	11.6973665	10.0000875	25	9.9999125	51
10	8.3087941	62481	11.6912059	8.3088842	62507	11.6911158	10.0000900	25 26	9.9999100	50
11	8.3149536	61595	11.6850464	8.3150462	61620	11.6849538	10.0000926		9.9999074	49
12	8.3210269	60733	11.6789731	8.3211221	60759	11.6788779	10.0000953	27	9.9999047	48
13	8:3270163	59894 59080	11.6729837	8.3271143	59922 59106	11.6728857	10.0000979	26 27	9.9999021	47
14	8:3329243	58286	11.6670757	8.3330249	58314	11.6669751	10.0001006	28	9.9998994	46
15	8.3387529	57514	11.6612471	8.3388563	57542	11.6611437	10.0001034	27	9.9998966	45
16	8.3445043	56762	11.6554957	8.3446105	56790	11.6553895	10.0001061	28	9.9998939	44
17	8.3501805	56030	11.6498195	8.3502895	56058	11.6497105	10.0001089	29	9.9998911	43
18 19	8.3557835	55315	11.6442165	8.3558953	55344	11.6441047 11.6385703	10.0001118 10.0001147	29	9*9998882 9*9998853	42
20	8:3613150 8:3667769	54619	11.6386850 11.6332231	8.3614297 8.3668945	54648	11.6331055	10.0001147	29	9.9998824	41
1		53941			53970			30		
21 22	8·3721710 8·3774988	53278	11.6278290 11.6225012	8·3722915 8·3776223	53308	11.6277085 11.6223777	10.0001206 10.0001236	30	9 · 9998794 9 · 9998764	39
23	8.3827620	52632	11.6172380	8.3828886	52663	11.6171114	10.0001286	30	9.9998734	37
24	8.3879622	52002	11.6120378	8.3880918	52032	11.6119082	10.0001297	31	9.9998703	36
25	8.3931008	51386 50785	11.6068992	8.3932336	51418 50816	11.6067664	10.0001328	31 31	9.9998672	35
26	8.3981793		11.6018207	8.3983152		11.6016848	10.0001359		9.9998641	34
27	8.4031990	50197	11.5968010	8.4033381	50229	11.5966619	10.0001391	32	9-9998609	33
28	8.4081614	49624 49062	11.5918386	8.4083037	49656 49095	11.5916963	10.0001423	32 33	9.9998577	32
29	8.4130676	48514	11.5869324	8.4132132	48547	11.5867868	10.0001456	33	9.9998544	31
30	8.4179190	47978	11.5820810	8.4180679	48011	11.5819321	10.0001489	33	9-9998511	30
31	8.4227168	47453	11.5772832	8.4228690	47486	11.5771310	10.0001522	33	9.9998478	29
32	8.4274621	46940	11.5725379	8.4276176	46974	11.5723824	10.0001555	34	9*9998445	28
33	8·4321561 8·4367999	46438	11.5678439 11.5632001	8·4323150 8·4369622	46472	11·5676850 11·5630378	10.0001589 10.0001624	35	9·9998411 9·9998376	27
35	8.4413944	45945	11.5586056	8.4415603	45981	11.5584397	10.0001659	35	9.9998341	25
36	8.4459409	45465	11.5540591	8.4461103	45500	11.5538897	10.0001694	35	9.9998306	24
37	8.4504402	44993	11.5495598	8.4506131	45028	11.5493869	10.0001034	35	9 9998271	23
38	8.4548934	44532	11.5451066	8.4550699	44568 44115	11.5449301	10.0001765	36	9.9998235	22
39	8.4593013	44079 43636	11.5406987	8.4594814	43672	11.5405186	10.0001801	36 37	9.9998199	21
40	8.4636649	43201	11.5363351	8.4638486	43239	11.5361514	10.0001838	37	9.9998162	20
41	8.4679850	42776	11.5320150	8.4681725	42813	11.5318275	10.0001875	37	9.9998125	19
42	8.4722626	42358	11:5277374	8.4724538	42395	11:5275462	10.0001912	38	9 9998088	18
43	8.4764984	41948	11.5235016	8.4766933	41987	11.5233067	10.0001950	38	9.9998050	17
44 45	8·4806932 8·4848479	41547	11·5193068 11·5151521	8·4808920 8·4850505	41585	11·5191080 11·5149495	10.0001988 10.0002026	38	9·9998012 9·9997974	16 15
		41153			41191			39		
46	8·4889632 8·4930398	40766	11·5110368 11·5069602	8·4891696 8·4932502	40806	11.5108304	10.0002065 10.0002104	39	9.9997935	14 13
48	8.4970784	40386	11.5029216	8.4972928	40426	11·5067498 11·5027072	10.0002104	40	9·9997896 9·9997856	12
49	8.5010798	40014	11.4989202	8.5012982	40054	11.4987018	10.0002144	39	9.9997817	11
50	8.5050447	39649 39289	11.4949553	8.5052671	39689 39330	11.4947329	10.0002224	41	9.9997776	10
51	8.5089736		11.4910264	8.5092001	38977	11.4907999	10.0002264		9.9997736	9
52	8.5128673	38937 38591	11.4871327	8.5130978	38632	11.4869022	10.0002305	41 42	9-9997695	8 7
53	8.5167264	38250	11.4832736	8.5169610	38292	11.4830390	10.0002347	41	9.9997653	7
54 55	8·5205514 8·5243430	37916	11·4794486 11·4756570	8·5207902 8·5245860	37958	11·4792098 11·4754140	10.0002388 10.0002430	42	9.9997612	6 5
		37587			37630			43	9.9997570	
56	8·5281017 8·5318281	37264	11.4718983	8.5283490	37307	11.4716510	10.0002473	43	9.9997527	3
57	8.5355228	36947	11·4681719 11·4644772	8·5320797 8·5357787	36990	11·4679203 11·4642213	10.0002516 10.0002559	43	9·9997484 9·9997441	2
59	8.5391863	36635	11.4608137	8.5394466	36679	11.4605534	10.0002602	43	9.9997398	ī
60	8.5428192	36329	11.4571808	8.5430838	36372	11.4569162	10.0002646	44	9.9997354	ō
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
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-	z Deg.									
4	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	8·5428192	36026	11:4571808	8·5430838	36071	11.4569162	10·0002646	45	9·9997354	60
1	8·5464218	35730	11:4535782	8·5466909	35774	11.4533091	10·0002691	44	9·9997309	59
2	8·5499948	35438	11:4500052	8·5502683	35483	11.4497317	10·0002735	45	9·9997265	58
3	8·5535386	35150	11:4464614	8·5538166	35196	11.4461834	10·0002780	46	9·9997220	57
4	8·5570536	34868	11:4429464	8·5573362	34914	11.4426638	10·0002826	46	9·9997174	56
5	8·5605404	34590	11:4394596	8·5608276	34636	11.4391724	10·0002872	46	9·9997128	55
6	8·5639994	34316	11:4360006	8:5642912	34363	11·4357088	10·0002918	46	9*9997082	54
7	8·5674310	34047	11:4325690	8:5677275	34093	11·4322725	10·0002964	47	9*9997086	53
8	8·5708357	33782	11:4291643	8:5711368	33829	11·4288632	10·0003011	47	9*9996989	52
9	8·5742139	33521	11:4257861	8:5745197	33569	11·4254803	10·0003058	48	9*9996942	51
10	8·5775660	33263	11:4224340	8:5778766	33311	11·4221234	10·0003106	48	9*9996894	50
11	8·5808923	33010	11·4191077	8·5812077	33059	11·4187923	10°0003154	48	9*9996846	49
12	8·5841933	32761	11·4158067	8·5845136	32809	11·4154864	10°0003202	49	9*9996798	48
13	8·5874694	32515	11·4125306	8·5877945	32564	11·4122055	10°0003251	49	9*9996749	47
14	8·5907209	32274	11·4092791	8·5910509	32323	11·4089491	10°0003300	50	9*9996700	46
15	8·5939483	32034	11·4060517	8·5942832	32085	11·4057168	10°0003350	49	9*9996650	45
16 17 18 19 20	8.5971517 8.6003317 8.6034886 8.6066226 8.6097341	31800 31569 31340 31115 30894	11:4028483 11:3996683 11:3965114 11:3933774 11:3902659	8·5974917 8·6006767 8·6038386 8·6069777 8·6100943	31850 31619 31391 31166 30946	11·4025083 11·3993233 11·3961614 11·3930223 11·3899057	10.0003399 10.0003450 10.0003500 10.0003551 10.0003602	51 50 51 51 51 52	9*9996601 9*9996550 9*9996500 9*9996449 9*9996398	44 43 42 41 40
21	8·6128235	30675	11·3871765	8·6131889	30727	11:3868111	10.0003654	52	9*9996346	39
22	8·6158910	30459	11·3841090	8·6162616	30511	11:3837384	10.0003706	52	9*9996294	38
23	8·6189369	30247	11·3810631	8·6193127	30300	11:3806873	10.0003758	53	9*9996242	37
24	8·6219616	30037	11·3780384	8·6223427	30091	11:3776573	10.0003811	53	9*9996189	36
25	8·6249653	29831	11·3750347	8·6253518	29884	11:3746482	10.0003864	54	9*9996136	35
26	8·6279484	29627	11·3720516	8.6283402	29681	11:3716598	10.0003918	54	9·9996082	34
27	8·6309111	29426	11·3690889	8.6313083	29480	11:3686917	10.0003972	54	9·9996028	33
28	8·6338537	29227	11·3661463	8.6342563	29282	11:3657437	10.0004026	55	9·9995974	32
29	8·6367764	29032	11·3632236	8.6371845	29086	11:3628155	10.0004081	54	9·9995919	31
30	8·6396796	28838	11·3603204	8.6400931	28894	11:3599069	10.0004135	56	9·9995865	30
31	8.6425634	28648	11:3574366	8.6429825	28703	11:3570175	10.0004191	56	9*9995809	29
32	8.6454282	28460	11:3545718	8.6458528	28516	11:3541472	10.0004247	56	9*9995753	28
33	8.6482742	28274	11:3517258	8.6487044	28331	11:3512956	10.0004303	56	9*9995697	27
34	8.6511016	28091	11:3488984	8.6515375	28147	11:3484625	10.0004359	57	9*9995641	26
35	8.6539107	27910	11:3460893	8.6543522	27968	11:3456478	10.0004416	57	9*9995584	25
36	8.6567017	27731	11·3432983	8.6571490	27789	11:3428510	10.0004473	58	9·9995527	24
37	8.6594748	27555	11·3405252	8.6599279	27612	11:3400721	10.0004531	58	9·9995469	23
38	8.6622303	27381	11·3377697	8.6626891	27440	11:3373109	10.0004589	58	9·9995411	22
39	8.6649684	27209	11·3350316	8.6654331	27267	11:3345669	10.0004647	58	9·9995353	21
40	8.6676893	27039	11·3323107	8.6681598	27099	11:3318402	10.0004705	59	9·9995295	20
41	8.6703932	26872	11·3296068	8·6708697	26931	11·3291303	10.0004764	60	9·9995236	19
42	8.6730804	26706	11·3269196	8·6735628	26765	11·3264372	10.0004824	60	9·9995176	18
43	8.6757510	26542	11·3242490	8·6762393	26603	11·3237607	10.0004884	60	9·9995116	17
44	8.6784052	26381	11·3215948	8·6788996	26441	11·3211004	10.0004944	60	9·9995056	16
45	8.6810433	26221	11·3189567	8·6815437	26282	11·3184563	10.0005004	61	9·9994996	15
46	8.6836654	26064	11·3163346	8.6841719	26125	11:3158281	10.0005065	61	9·9994935	14
47	8.6862718	25907	11·3137282	8.6867844	25969	11:3132156	10.0005126	62	9·9994874	13
48	8.6888625	25754	11·3111375	8.6893813	25816	11:3106187	10.0005188	62	9·9994812	12
49	8.6914379	25601	11·3085621	8.6919629	25663	11:3080371	10.0005250	62	9·9994750	11
50	8.6939980	25451	11·3060020	8.6945292	25514	11:3054708	10.0005312	63	9·9994688	10
51	8.6965431	25303	11:3034569	8.6970806	25366	11:3029194	10.0005375	63	9·9994625	9
52	8.6990734	25155	11:3009266	8.6996172	25218	11:3003828	10.0005438	64	9·9994562	8
53	8.7015889	25010	11:2984111	8.7021390	25075	11:2978610	10.0005502	63	9·9994498	7
54	8.7040899	24867	11:2959101	8.7046465	24930	11:2953535	10.0005565	65	9·9994435	6
55	8.7065766	24724	11:2934234	8.7071395	24790	11:2928605	10.0005630	64	9·9994370	5
56 57 58 59 60	8·7090490 8·7115075 8·7139520 8·7163829 8·7188002	24585 24445 24309 24173	11·2909510 11·2884925 11·2860480 11·2836171 11·2811998	8·7096185 8·7120834 8·7145345 8·7169719 8·7193958	24649 24511 24374 24239	11°2903815 11°2879166 11°2854655 11°2830281 11°2806042	10°0005694 10°0005759 10°0005824 10°0005890 10°0005956	65 65 66 66	9-9994306 9-9994241 9-9994176 9-9994110 9-9994044	3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,

	B Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	8·7188002	24038	11·2811998	8·7193958	24105	11:2806042	10°0005956	66	9·9994044	60
1	8·7212040	23906	11·2787960	8·7218063	23972	11:2781937	10°0006022	67	9·9993978	59
2	8·7235946	23775	11·2764054	8·7242035	23842	11:2757965	10°0006089	67	9·9993911	58
3	8·7259721	23645	11·2740279	8·7265877	23712	11:2734123	10°0006156	68	9·9993844	57
4	8·7283366	23516	11·2716634	8·7289589	23585	11:2710411	10°0006224	68	9·9993776	56
5	8·7306882	23390	11·2693118	8·7313174	23457	11:2686826	10°0006292	68	9·9993708	55
6	8.7330272	23263	11:2669728	8·7336631	23333	11·2663369	10.0006360	68	9·9993640	54
7	8.7353535	23140	11:2646465	8·7359964	23208	11·2640036	10.0006428	69	9·9993572	53
8	8.7376675	23016	11:2623325	8·7383172	23086	11·2616828	10.0006497	70	9·9993503	52
9	8.7399691	22895	11:2600309	8·7406258	22964	11·2593742	10.0006567	69	9·9993433	51
10	8.7422586	22774	11:2577414	8·7429222	22845	11·2570778	10.0006636	71	9·9993364	50
11	8·7445360	22655	11:2554640	8·7452067	22725	11·2547933	10.0006707	70	9·9993293	49
12	8·7468015	22538	11:2531985	8·7474792	22608	11·2525208	10.0006777	71	9·9993223	48
13	8·7490553	22420	11:2509447	8·7497400	22492	11·2502600	10.0006848	71	9·9993152	47
14	8·7512973	22305	11:2487027	8·7519892	22377	11·2480108	10.0006919	72	9·9993081	46
15	8·7535278	22191	11:2464722	8·7542269	22262	11·2457731	10.0006991	71	9·9993009	45
16	8.7557469	22077	11:2442531	8.7564531	22150	11·2435469	10.0007062	73	9·9992938	44
17	8.7579546	21966	11:2420454	8.7586681	22038	11·2413319	10.0007135	72	9·9992865	43
18	8.7601512	21854	11:2398488	8.7608719	21928	11·2391281	10.0007207	73	9·9992793	42
19	8.7623366	21745	11:2376634	8.7630647	21818	11·2369353	10.0007280	74	9·9992720	41
20	8.7645111	21636	11:2354889	8.7652465	21710	11·2347535	10.0007354	74	9·9992646	40
21	8.7666747	21528	11·2333253	8.7674175	21602	11·2325825	10.0007428	74	9°9992572	39
22	8.7688275	21422	11·2311725	8.7695777	21497	11·2304223	10.0007502	74	9°9992498	38
23	8.7709697	21317	11·2290303	8.7717274	21391	11·2282726	10.0007576	75	9°9992424	37
24	8.7731014	21212	11·2268986	8.7738665	21287	11·2261335	10.0007651	75	9°9992349	36
25	8.7752226	21108	11·2247774	8.7759952	21184	11·2240048	10.0007726	76	9°9992274	35
26	8·7773334	21006	11·2226666	8·7781136	21082	11·2218864	10.0007802	76	9 · 9992198	34
27	8·7794340	20904	11·2205660	8·7802218	20981	11·2197782	10.0007878	76	9 · 9992122	33
28	8·7815244	20804	11·2184756	8·7823199	20880	11·2176801	10.0007954	77	9 · 9992046	32
29	8·7836048	20705	11·2163952	8·7844079	20782	11·2155921	10.0008031	77	9 · 9991969	31
30	8·7856753	20606	11·2143247	8·7864861	20683	11·2135139	10.0008108	77	9 · 9991892	30
31	8.7377359	20508	11·2122641	8·7885544	20586	11·2114456	10.0008185	78	9·9991815	29
32	8.7897867	20411	11·2102133	8·7906130	20490	11·2093870	10.0008263	78	9·9991737	28
33	8.7918278	20316	11·2081722	8·7926620	20394	11·2073380	10.0008341	79	9·9991659	27
34	8.7938594	20220	11·2061406	8·7947014	20299	11·2052986	10.0008420	79	9·9991580	26
35	8.7958814	20127	11·2041186	8·7967313	20206	11·2032687	10.0008499	79	9·9991501	25
36	8·7978941	20033	11·2021059	8·7987519	20113	11·2012481	10.0008578	80	9:9991422	24
37	8·7998974	19941	11·2001026	8·8007632	20021	11·1992368	10.0008658	80	9:9991342	23
38	8·8018915	19849	11·1981085	8·8027653	19930	11·1972347	10.0008738	80	9:9991262	22
39	8·8038764	19759	11·1961236	8·8047583	19839	11·1952417	10.0008818	81	9:9991182	21
40	8·8058523	19669	11·1941477	8·8067422	19750	11·1932578	10.0008899	81	9:9991101	20
41	8·8078192	19580	11·1921808	8·8087172	19662	11·1912828	10.0008980	82	9:9991020	19
42	8·8097772	19492	11·1902228	8·8106834	19573	11·1893166	10.0009062	82	9:9990938	18
43	8·8117264	19404	11·1882736	8·8126407	19487	11·1873593	10.0009144	82	9:9990856	17
44	8·8136668	19317	11·1863332	8·8145894	19400	11·1854106	10.0009226	83	9:9990774	16
45	8·8155985	19232	11·1844015	8·8165294	19314	11·1834706	10.0009309	83	9:9990691	15
46	8·8175217	19146	11·1824783	8:8184608	19230	11·1815392	10.0009392	83	9·9990608	14
47	8·8194363	19062	11·1805637	8:8203838	19146	11·1796162	10.0009475	84	9·9990525	13
48	8·8213425	18979	11·1786575	8:8222984	19062	11·1777016	10.0009559	84	9·9990441	12
49	8·8232404	18895	11·1767596	8:8242046	18980	11·1757954	10.0009643	84	9·9990357	11
50	8·8251299	18813	11·1748701	8:8261026	18898	11·1738974	10.0009727	85	9·9990273	10
51	8·8270112	18732	11·1729888	8·8279924	18817	11·1720076	10.0009812	85	9·9990188	9
52	8·8288844	18651	11·1711156	8·8298741	18737	11·1701259	10.0009897	86	9·9990103	8
53	8·8307495	18571	11·1692505	8·8317478	18656	11·1682522	10.0009983	86	9·9990017	7
54	8·8326066	18491	11·1673934	8·8336134	18578	11·1663866	10.0010069	86	9·9989931	6
55	8·8344557	18412	11·1655443	8·8354712	18499	11·1645288	10.0010155	86	9·9989845	5
56 57 58 59 60	8.8362969 8.8381304 8.8399561 8.8417741 8.8435845	18335 18257 18180 18104	11·1637031 11·1618696 11·1600439 11·1582259 11·1564155	8·8373211 8·8391633 8·8409977 8·8428245 8·8446437	18422 18344 18268 18192	11·1626789 11·1608367 11·1590023 11·1571755 11·1553563	10.0010242 10.0010329 10.0010416 10.0010504 10.0010592	87 87 88 88	9:9989758 9:9989671 9:9989584 9:9989496 9:9989408	4 3 2 1 0
'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,

	4 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	8·8435845 8·8453874	18029 17953	11·1564155 11·1546126	8·8446437 8·8464554	18117 18043	11·1553563 11·1535446	10.0010592 10.0010681	89	9*9989408 9*9989319	60 59
2 3 4	8.8471827 8.8489707 8.8507512	17880 17805 17733	11·1528173 11·1510293 11·1492488	8·8482597 8·8500566 8·8518461	17969 17895 17822	11·1517403 11·1499434 11·1481539	10.0010770 10.0010859 10.0010948	89 89 90	9·9989230 9·9989141 9·9989052	58 57 56
5	8·8525245 8·8542905	17660 17588	11·1474755 11·1457095	8·8536283 8·8554034	17751 17679	11·1463717 11·1445966 11·1428287	10.0011038 10.0011129 10.0011220	91 91	9·9988962 9·9988871 9·9988780	55 54 53
7 8 9 10	8.8560493 8.8578010 8.8595457 8.8612833	17517 17447 17376 17306	11·1439507 11·1421990 11·1404543 11·1387167	8·8571713 8·8589321 8·8606859 8·8624327	17608 17538 17468 17398	11 1425287 11 1410679 11 1393141 11 1375673	10·0011220 10·0011311 10·0011402 10·0011494	91 91 92 92	9:9988689 9:9988598 9:9988506	52 51 50
11 12 13	8·8630139 8·8647376 8·8664545	17237 17169 17101	11·1369861 11·1352624 11·1335455	8.8641725 8.8659055 8.8676317	17330 17262 17194	11·1358275 11·1340945 11·1323683 11·1306489	10.0011586 10.0011679 10.0011772 10.0011865	93 93 93	9·9988414 9·9988321 9·9988228 9·9988135	49 48 47
14 15 16	8·8681646 8·8698680 8·8715646	17034 16966	11·1318354 11·1301320 11·1284354	8·8693511 8·8710638 8·8727699	17127 17061	11·1289362 11·1272301	10.0011959	94 94	9·9988041 9·9987947	46 45 44
17 18 19 20	8·8732546 8·8749381 8·8766150 8·8782854	16900 16835 16769 16704 16639	11·1267454 11·1250619 11·1233850 11·1217146	8·8744694 8·8761623 8·8778487 8·8795286	16995 16929 16864 16799 16736	11·1255306 11·1238377 11·1221513 11·1204714	10·0012147 10·0012242 10·0012337 10·0012433	94 95 95 96 96	9·9987853 9·9987758 9·9987663 9·9987567	43 42 41 40
21 22 23 24	8·8799493 8·8816069 8·8832581 8·8849031	16576 16512 16450	11·1200507 11·1183931 11·1167419 11·1150969	8.8812022 8.8828694 8.8845303 8.8861850	16672 16609 16547	11·1187978 11·1171306 11·1154697 11·1138150	10.0012529 10.0012625 10.0012722 10.0012819	96 97 97	9·9987471 9·9987375 9·9987278 9·9987181	39 38 37 36
25 26	8·8865418 8·8881743	16387 16325 16264	11·1134582 11·1118257	8·8878334 8·8894757	16484 16423 16362	11·1121666 11·1105243	10·0012916 10·0013014	97 98 98	9*9987084 9*9986986	35 34
27 28 29 30	8.8898007 8.8914209 8.8930351 8.8946433	16202 16142 16082 16022	11·1101993 11·1085791 11·1069649 11·1053567	8.8911119 8.8927420 8.8943660 8.8959842	16301 16240 16182 16121	11·1088881 11·1072580 11·1056340 11·1040158	10.0013112 10.0013210 10.0013309 10.0013409	98 99 100 99	9·9986888 9·9986790 9·9986691 9·9986591	33 32 31 30
31 32 33 34	8·8962455 8·8978418 8·8994322 8·9010168	15963 15904 15846 15787	11·1037545 11·1021582 11·1005678 11·0989832	8·8975963 8·8992026 8·9008030 8·9023977	16063 16004 15947 15889	11·1024037 11·1007974 11·0991970 11·0976023	10.0013508 10.0013608 10.0013708 10.0013809	100 100 101 101	9.9986492 9.9986392 9.9986292 9.9986191	29 28 27 26
35 36 37	8.9025955 8.9041685 8.9057358	15730 15673	11·0974045 11·0958315 11·0942642	8 · 9039866 8 · 9055697 8 · 9071472	15831 15775	11·0960134 11·0944303 11·0928528	10.0013910 10.0014012 10.0014114	102 102	9 · 9986090 9 · 9985988 9 · 9985886	25 24 23
38 39 40	8.9072975 8.9088535 8.9104039	15617 15560 15504 15448	11·0927025 11·0911465 11·0895961	8·9087190 8·9102853 8·9118460	15718 15663 15607 15552	11:0912810 11:0897147 11:0881540	10.0014216 10.0014318 10.0014421	102 102 103 104	9·9985784 9·9985682 9·9985579	22 21 20
41 42 43	8.9119487 8.9134881 8.9150219	15394 15338 15285	11:0880513 11:0865119 11:0849781	8.9134012 8.9149509 8.9164952	15497 15443	11.0865988 11.0850491 11.0835048	10:0014525 10:0014628 10:0014732	103 104	9*9985475 9*9985372 9*9985268	19 18 17
44 45	8.9165504 8.9180734	15285 15230 15177	11:0834496 11:0819266	8.9180340 8.9195675	15388 15335 15282	11.0819660 11.0804325	10:0014837 10:0014942	105 105 105	9·9985163 9·9985058	16 15
46 47 48 49	8.9195911 8.9211034 8.9226105 8.9241123	15123 15071 15018	11.0804089 11.0788966 11.0773895 11.0758877	8.9210957 8.9226186 8.9241363 8.9256487	15229 15177 15124	11.0789043 11.0773814 11.0758637 11.0743513	10:0015047 10:0015152 10:0015258 10:0015364	105 106 106	9*9984953 9*9984848 9*9984742	14 13 12 11
50	8·9256089 8·9271003	14966 14914	11.0743911	8 ·9271560 8 ·9286581	15073 15021	11.0743313	10.0015578	107 107	9·9984636 9·9984529 9·9984422	10 9
52 53 54	8 9285866 8 9300678 8 9315439	14863 14812 14761 14711	11:0714134 11:0699322 11:0684561	8.9301552 8.9316471 8.9331340	14971 14919 14869 14820	11:0698448 11:0683529 11:0668660	10.0015685 10.0015793 10.0015901	107 108 108 109	9*9984315 9*9984207 9*9984099	8 7 6 5
55 56 57	8.9330150 8.9344811 8.9359422	14661 14611	11.0669850 11.0655189 11.0640578	8.9346160 8.9360929 8.9375650	14769 14721	11.0653840 11.0639071 11.0624350	10.0016010 10.0016119 10.0016228	109 109	9.9983990 9.9983881 9.9983772	5 4 3
58 59 60	8-9373983 8-9388496 8-9402960	14561 14513 14464	11.0626017 11.0611504 11.0597040	8.9390321 8.9404944 8.9419518	14671 14623 14574	11.0609679 11.0595056 11.0580482	10.0016337 10.0016447 10.0016558	109 110 111	9·9983663 9·9983553 9·9983442	1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
-									_	1

,										
1,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	8-9402960	14416	11:0597040	8-9419518	14526	11.0580482	10.0016558	110	9.9983442	60
1 2	8.9417376 8.9431743	14367	11.0582624 11.0568257	8.9434044 8.9448523	14479	11.0565956 11.0551477	10.0016668 10.0016780	112	9*9983332 9*9983220	59 58
3	8.9446063	14320	11.0553937	8.9462954	14431	11.0537046	10.0016891	111	9.9983109	57
4	8.9460335	14272 14226	11.0539665	8.9477338	14384 14338	11.0522662	10.0017003	112 112	9.9982997	56
5	8.9474561	14178	11.0525439	8.9491676	14291	11.0508324	10.0017115	113	9.9982885	55
6	8.9488739	14132	11.0511261	8.9505967	14244	11.0494033	10.0017228	112	9-9982772	54
7 8	8.9502871 8.9516957	14086	11.0497129 11.0483043	8.9520211 8.9534410	14199	11.0479789 11.0465590	10.0017340 10.0017454	114	9·9982660 9·9982546	53 52
9	8.9530996	14039	11.0469004	8.9548564	14154 14108	11.0451436	10.0017567	113	9.9982433	51
10	8.9544991	13995 13949	11.0455009	8.9562672	14063	11.0437328	10.0017682	115 114	9.9982318	50
11	8.9558940	13903	11.0441060	8.9576735	14019	11.0423265	10.0017796	115	9.9982204	49
12 13	8·9572843 8·9586703	13860	11:0427157	8.9590754	13974	11·0409246 11·0395272	10:0017911	115	9.9982089	48
14	8.9600517	13814	11·0413297 11·0399483	8 9604728 8 9618659	13931	11.0381341	10.0018026 10.0018141	115	9·9981974 9·9981859	47
15	8.9614288	13771 13726	11.0385712	8.9632545	13886 13843	11.0367455	10.0018257	116 117	9.9981743	45
16	8.9628014		11.0371986	8 9646388	13800	11.0353612	10.0018374		9.9981626	44
17	8 9641697	13683 13640	11.0358303	8.9660188	13756	11.0339812	10.0018490	116 117	9.9981510	43
18 19	8 · 9655337 8 · 9668934	13597	11°0344663 11°0331066	8 9673944 8 9687658	13714	11.0326056 11.0312342	10.0018607 10.0018725	118	9·9981393 9·9981275	42
20	8.9682487	13553	11.0317513	8.9701330	13672	11.0298670	10.0018842	117	9.9981158	41
21	8.9695999	13512	11.0304001	8.9714959	13629	11.0285041	10.0018960	118	9.9981040	39
22	8.9709468	13469 13427	11.0290532	8.9728547	13588 13545	11.0271453	10.0019079	119 119	9.9980921	38
23	8.9722895	13385	11.0277105	8.9742092	13505	11.0257908	10.0019198	119	9.9980802	37
24 25	8 9736280 8 9749624	13344	11.0263720 11.0250376	8 · 9755597 8 · 9769060	13463	11.0244403 11.0230940	10.0019317 10.0019437	120	9*9980683 9*9980563	36
26	8.9762926	13302	11.0237074	8.9782483	13423	11.0217517	10.0019557	120	9.9980443	34
27	8.9776188	13262	11.0223812	8 9795865	13382	11 0204135	10.0019677	120	9.9980323	33
28	8.9789408	13220 13181	11 0210592	8.9809206	13341 13301	11.0190794	10.0019798	121 121	9-9980202	32
29	8.9802589 8.9815729	13140	11.0197411	8.9822507	13262	11.0177493 11.0164231	10.0019919	121	9.9980081	31
30		13100	11.0184271	8.9835769	13222		10.0020040	122	9.9979960	30
31 32	8.9828829 8.9841889	13060	11·0171171 11·0158111	8.9848991 8.9862173	13182	11.0151009 11.0137827	10.0020162 10.0020284	122	9*9979838 9*9979716	29 28
33	8.9854910	13021 12981	11.0145090	8.9875317	13144 13104	11.0124683	10.0020407	123 123	9.9979593	27
34	8.9867891	12943	11.0132109	8.9888421	13066	11.0111579	10.0020530	123	9.9979470	26
35	8.9880834	12903	11.0119166	8.9901487	13027	11.0098513	10.0020653	124	9.9979347	25
36 37	8 • 9893737 8 • 9906602	12865	11.0106263 11.0093398	8.9914514 8.9927503	12989	11.0085486 11.0072497	10.0020777 10.0020901	124	9·9979223 9·9979099	24 23
38	8.9919429	12827	11.0080571	8.9940454	12971	11.0059546	10.0021025	124	9.9978975	22
39	8.9932217	12788 12751	11.0067783	8.9953367	12913 12876	11.0046633	10.0021150	125 125	9.9978850	21
40	8.9944968	12713	11.0055032	8.9966243	12838	11.0033757	10.0021275	126	9.9978725	20
41	8.9957681	12675	11.0042319	8.9979081	12802	11.0020919	10.0021401	126	9.9978599	19
42 43	8 · 9970356 8 · 9982994	12638	11.0029644 11.0017006	8.9991883 9.0004647	12764	11.0008117 10.9995353	10·0021527 10·0021653	126	9·9978473 9·9978347	18 17
44	8.9995595	12601	11.0004405	9.0017375	12728 12691	10.9982625	10.0021033	127	9.9978220	16
45	9.0008160	12565 $12527$	10.9991840	9.0030066	12655	10.9969934	10.0021907	127 127	9.9978093	15
46	9.0020687	12492	10.9979313	9.0042721	12619	10.9957279	10.0022034	128	9.9977966	14
47	9·0033179 9·0045634	12455	10.9966821	9.0055340	12584	10.9944660	10.0022162 10.0022290	128	9.9977838	13
48	9.0045034	12419	10.9954366 10.9941947	9·0067924 9·0080471	12547	10.9932076 10.9919529	10.0022290	128	9·9977710 9·9977582	12 11
50	9.0070436	12383 12348	10.9929564	9.0092984	12513 12477	10.9907016	10.0022547	129 130	9.9977453	10
51	9.0082784	12312	10.9917216	9.0105461	12442	10.9894539	10.0022677	129	9.9977323	9
52.	9.0095096	12278	10.9904904	9.0117903	12442	10.9882097	10.0022806	130	9.9977194	8
53 54	9·0107374 9·0119616	12242	10.9892626 10.9880384	9·0130310 9·0142682	12372	10.9869690 10.9857318	10.0022936 10.0023067	131	9·9977064 9·9976933	8 7 6
55	9.0131823	12207 $12173$	10.9868177	9.0155021	12339 12304	10.9844979	10.0023197	130 131	9.9976803	5
56	9.0143996		10.9856004	9.0167325		10.9832675	10.0023328		9-9976672	4
57	9.0156135	12139 12104	10.9843865	9.0179594	12269 12237	10.9820406	10.0023460	132 132	9.9976540	3
58 59	9·0168239 9·0180309	12070	10.9831761 10.9819691	9·0191831 9·0204033	12202	10.9808169 10.9795967	10.0023592 10.0023724	132	9·9976408 9·9976276	2
60	9.0192346	12037	10 9819091	9.0204033	12169	10.9783798	10 0023724	133	9.9976143	0
	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
								-		

	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1	9·0192346 9·0204348	12002 11970	10.9807654 10.9795652	9·0216202 9·0228338	12136 12103	10·9783798 10·9771662	10·0023857 10·0023989	132 134	9·9976143 9·9976011	60 59
2 3 4 5	9.0216318 9.0228254 9.0240157 9.0252027	11936 11903 11870 11838	10.9783682 10.9771746 10.9759843 10.9747973	9·0240441 9·0252510 9·0264548 9·0276552	12069 12038 12004 11972	10.9759559 10.9747490 10.9735452 10.9723448	10.0024123 10.0024257 10.0024391 10.0024525	134 134 134 135	9·9975877 9·9975743 9·9975609 9·9975475	58 57 56 55
6 7 8	9·0263865 9·0275669 9·0287442	11804 11773 11740	10.9736135 10.9724331 10.9712558	9·0288524 9·0300464 9·0312373	11940 11909 11876	10.9711476 10.9699536 10.9687627	10.0024660 10.0024795 10.0024931	135 136 136	9·9975340 9·9975205 9·9975069	54 53 52
9 10 11	9·0299182 9·0310890 9·0322567	11708 11677	10.9700818 10.9689110 10.9677433	9·0324249 9·0336093 9·0347906	11844 11813	10.9675751 10.9663907 10.9652094	10.0025067 10.0025203 10.0025340	136 137	9·9974933 9·9974797 9·9974660	51 50 49
12 13 14 15	9·0334212 9·0345825 9·0357407 9·0368958	11645 11613 11582 11551 11519	10:9665788 10:9654175 10:9642593 10:9631042	9·0359688 9·0371439 9·0383159 9·0394848	11782 11751 11720 11689 11658	10.9640312 10.9628561 10.9616841 10.9605152	10·0025477 10·0025614 10·0025752 10·0025890	137 137 138 138 139	9·9974523 9·9974386 9·9974248 9·9974110	48 47 46 45
16 17 18 19	9.0380477 9.0391966 9.0403424 9.0414852	11489 11458 11428 11397	10.9619523 10.9608034 10.9596576 10.9585148	9.0406506 9.0418134 9.0429731 9.0441299	11628 11597 11568 11537	10.9593494 10.9581866 10.9570269 10.9558701	10.0026029 10.0026167 10.0026307 10.0026446	138 140 139 140	9·9973971 9·9973833 9·9973693 9·9973554	44 43 42 41
20 21 22 23	9·0426249 9·0437617 9·0448954 9·0460261	11368 11337 11307	10.9573751 10.9562383 10.9551046	9·0452836 9·0464343 9·0475821	11507 11478 11449	10.9547164 10.9535657 10.9524179	10.0026586 10.0026727 10.0026868	141 141 141	9·9973414 9·9973273 9·9973132 9·9972991	40 39 38 37
24 25 26	9·0471538 9·0482786 9·0494005	11277 11248 11219	10.9539739 10.9528462 10.9517214 10.9505995	9:0487270 9:0498689 9:0510078	11419 11389 11361	10.9512730 10.9501311 10.9489922	10.0027009 10.0027150 10.0027292	141 142 142	9·9972850 9·9972708	36 35 34
27 28 29 30	9·0505194 9·0516354 9·0527485 9·0538588	11189 11160 11131 11103 11073	10 9303995 10 9494806 10 9483646 10 9472515 10 9461412	9.0521439 9.0532771 9.0544074 9.0555349 9.0566595	11332 11303 11275 11246 11218	10.9478561 10.9467229 10.9455926 10.9444651 10.9433405	10·0027434 10·0027577 10·0027720 10·0027863 10·0028007	143 143 143 144 144	9·9972566 9·9972423 9·9972280 9·9972137 9·9971993	33 32 31 30
31 32 33 34 35	9.0549661 9.0560706 9.0571723 9.0582711 9.0593672	11045 11017 10988 10961	10.9450339 10.9439294 10.9428277 10.9417289 10.9406328	9·0577813 9·0589002 9·0600164 9·0611297 9·0622403	11189 11162 11133 11106	10.9422187 10.9410998 10.9399836 10.9388703 10.9377597	10·0028151 10·0028296 10·0028441 10·0028586 10·0028732	145 145 145 146 146	9·9971849 9·9971704 9·9971559 9·9971414 9·9971268	29 28 27 26 25
36 37 38 39	9·0604604 9·0615509 9·0626386 9·0637235	10932 10905 10877 10849 10822	10.9395396 10.9384491 10.9373614 10.9362765	9.0633482 9.0644533 9.0655556 9.0666553	11079 11051 11023 10997 10969	10.9366518 10.9355467 10.9344444 10.9333447	10.0028878 10.0029024 10.0029171 10.0029318	146 147 147 147	9·9971122 9·9970976 9·9970829 9·9970682	24 23 22 21
40 41 42	9·0648057 9·0653852 9·0669619	10795 10767 10741	10.9351943 10.9341148 10.9330381	9·0677522 9·0688465 9·0699381	10943 10916 10889	10.9322478 10.9311535 10.9300619	10·0029465 10·0029613 10·0029761	148 148 149	9·9970535 9·9970387 9·9970239	20 19 18
43 44 45	9·0680360 9·0691074 9·0701761	10714 10687 10660	10.9319640 10.9308926 10.9298239	9·0710270 9·0721133 9·0731969	10863 10836 10810	10·9289730 10·9278867 10·9268031	10.0029910 10.0030059 10.0030208	149 149 150	9·9970090 9·9969941 9·9969792	17 16 15
46 47 48 49	9·0712421 9·0723055 9·0733663 9·0744244	10634 10608 10581	10.9287579 10.9276945 10.9266337 10.9255756	9·0742779 9·0753563 9·0764321 9·0775053	10784 10758 10732	10.9257221 10.9246437 10.9235679 10.9224947	10.0030358 10.0030508 10.0030658 10.0030809	150 150 151	9·9969642 9·9969492 9·9969342 9·9969191	14 13 12 11
50 51 52	9·0754799 9·0765329	10555 10530 10503	10.9245201 10.9234671	9·0785760 9·0796441	10707 10681 10655	10.9214240 10.9203559	10.0030960 10.0031112	151 152 152	9.9969040 9.9968888 9.9968728	10
53 54 55	9·0775832 9·0786310 9·0796762 9·0807189	10478 10452 10427 10401	10.9224168 10.9213690 10.9203238 10.9192811	9·0807096 9·0817726 9·0828331 9·0838911	10630 10605 10580 10555	10.9192904 10.9182274 10.9171669 10.9161089	10·0031264 10·0031416 10·0031569 10·0031722	152 153 153 153	9*9968736 9*9968584 9*9968431 9*9968278	8 7 6 5
56 57 58 59	9·0817590 9·0827966 9·0838317 9·0848643	10376 10351 10326 10302	10.9182410 10.9172034 10.9161683 10.9151357	9·0849466 9·0859996 9·0870501 9·0880981	10530 10505 10480 10457	10.9150534 10.9140004 10.9129499 10.9119019	10°0031875 10°0032029 10°0032183 10°0032338	154 154 155 155	9*9968125 9*9967971 9*9967817 9*9967662	4 3 2 1
60	9.0858945 Cosine	Diff.	10.9141055 Secant	9.0891438 Cotang.	Diff.	10.9108562 Tang.	10.0032493 Cosec.	D.	9.9967507 Sine	0

							_			
	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	1
0	9.0858945	10276	10.9141055	9.0891438	10431	10.9108562	10.0032493	155	9.9967507	60
1	9.0869221	10252	10.9130779	9.0901869	10408	10.9098131	10.0032648	156	9.9967352	59
2	9.0879473	10227	10.9120527	9.0912277	10383	10.9087723	10.0032804	156	9.9967196	58
3 4	9·0889700 9·0899903	10203	10.9110300 10.9100097	9·0922660 9·0933020	10360	10.9077340 10.9066980	10°0032960 10°0033116	156	9·9967040 9·9966884	57 56
5	9.0910082	10179	10.9089918	9.0943355	10335	10.9056645	10.0033273	157	9.9966727	55
6	9.0920237	10155	10.9079763	9.0953667	10312	10.9046333	10.0033430	157	9.9966570	54
7	9.0930.67	10130	10.9069633	9.0963955	10288	10.9036045	10.0033588	158	9.9966412	53
8	9.0940474	10107 $10082$	10.9059526	9.0974219	10264 10241	10.9025781	10.0033746	158 158	9.9966254	52
9	9.0950556	10052	10.9049444	9.0984460	10241	10.9015540	10.0033904	159	9.9966096	51
10	9.0960615	10036	10.9039385	9.0994678	10194	10.9005322	10.0034063	159	9.9965937	50
11	9.0970651	10011	10.9029349	9.1004872	10172	10.8995128	10.0034222	159	9.9965778	49
12 13	9·0980662 9·0990651	9989	10°9019338 10°9009349	9·1015044 9·1025192	10148	10.8984956 10.8974808	10.0034381 10.0034541	160	9*9965619 9*9965459	48
14	9.1000616	9965	10.8999384	9.1035317	10125	10.8964683	10.0034701	160	9.9965299	46
15	9.1010558	9942 9919	10.8989442	9.1045420	10103 10080	10.8954580	10.0034862	161 161	9.9965138	45
16	9.1020477		10.8979523	9.1055500		10.8944500	10.0035023		9.9964977	44
17	9.1030373	9896 9873	10.8969627	9.1065557	10057 10034	10.8934443	10.0035184	161 161	9.9964816	43
18	9.1040246	9850	10.8959754	9.1075591	10013	10.8924409	10.0035345	162	9.9964655	42
19 20	9·1050096 9·1059924	9828	10.8949904 10.8940076	9·1085604 9·1095594	9990	10.8914396 10.8904406	10.0035507	163	9*9964493 9*9964330	41
		9805			9968			163		
21 22	9·1069729 9·1079512	9783	10.8930271 10.8920488	9·1105562 9·1115508	9946	10.8894438 10.8884492	10.0035833 10.0035996	163	9·9964167 9·9964004	39 38
23	9.1089272	9760	10.8910728	9.1125431	9923	10.8874569	10.0036159	163	9.9963841	37
24	9.1099010	9738 9716	10.8900990	9.1135333	9902 9880	10.8864667	10.0036323	164 164	9.9963677	36
25	9.1108726	9694	10.8891274	9.1145213	9859	10.8854787	10.0036487	165	9.9963513	35
26	9.1118420	9672	10.8881580	9.1155072	9837	10.8844928	10.0036652	165	9.9963348	34
27	9.1128092	9650	10.8871908	9.1164909	9815	10.8835091	10.0036817	165	9.9963183	33
28 29	9·1137742 9·1147370	9628	10.8862258 10.8852630	9·1174724 9·1184518	9794	10.8825276 10.8815482	10.0036982 10.0037148	166	9·9963018 9·9962852	32
30	9.1156977	9607 9585	10.8843023	9.1194291	9773	10.8805709	10.0037314	166 167	9.9962686	30
31	9.1166562		10.8833438	9.1204043	9752	10.8795957	10.0037481		9.9962519	29
32	9.1176125	9563 9542	10.8823875	9.1213773	9730 9709	10.8786227	10.0037648	167 167	9.9962352	28
33	9.1185667	9521	10.8814333	9.1223482	9689	10.8776518	10.0037815	168	9.9962185	27
34 35	9·1195188 9·1204688	9500	10.8804812 10.8795312	9·1233171 9·1242839	9668	10.8766829 10.8757161	10.0037983 10.0038151	168	9·9962017 9·9961849	26 25
		9479			9647			168		
36 37	9·1214167 9·1223624	9457	10·8785833 10·8776376	9·1252486 9·1262112	9626	10.8747514 10.8737888	10.0038319 10.0038488	169	9·9961681 9·9961512	24 23
38	9.1233061	9437	10.8766939	9.1271718	9606	10.8728282	10.0038657	169	9.9961343	22
39	9.1242477	9416 9395	10.8757523	9.1281303	9585 9565	10.8718697	10.0038826	169 170	9.9961174	21
40	9.1251872	9374	10.8748128	9.1290868	9545	10.8709132	10.0038996	170	9.9961004	20
41	9.1261246	9354	10.8738754	9.1300413	9524	10.8699587	10.0039166	171	9.9960834	19
42	9·1270600 9·1279934	9334	10.8729400 10.8720066	9·1309937 9·1319442	9505	10.8690063 10.8680558	10.0039337 10.0039508	171	9*9960663 9*9960492	18
44	9.1289247	9313	10.8710753	9.1319442	9484	10.8671074	10.0039508	171	9.9960321	16
45	9.1298539	9292	10.8701461	9.1338391	9465 9444	10.8661609	10.0039851	$\frac{172}{172}$	9.9960149	15
46	9.1307812	9273	10.8692188	9.1347835		10.8652165	10.0040023		9-9959977	14
47	9.1317064	9252	10.8682936	9.1357260	9425 9405	10.8642740	10.0040196	173	9.9959804	13
48	9.1326297	9233 9212	10.8673703	9.1366665	9386	10.8633335	10.0040369	173 173	9.9959631	12
49	9.1335509	9193	10.8664491	9·1376051 9·1385417	9366	10.8623949 10.8614583	10.0040542 10.0040716	174	9*9959458 9*9959284	11
50	9.1344702	9173	10.8655298	*	9347			173		10
51 52	9·1353875 9·1363028	9153	10.8646125 10.8636972	9·1394764 9·1404092	9328	10.8605236 10.8595908	10·0040889 10·0041064	175	9·9959111 9·9958936	9
53	9.1372161	9133	10.8627839	9.1413400	9308	10.8586600	10.0041004	175	9.9958761	8 7
54	9.1381275	9114 9095	10.8618725	9.1422689	9289 9270	10.8577311	10.0041414	175 175	9.9958586	6
55	9.1390370	9095	10.8609630	9.1431959	9251	10.8568041	10.0041589	176	9.9958411	5
56	9.1399445	9056	10.8600555	9.1441210	9232	10.8558790	10.0041765	176	9.9958235	4
57	9.1408501	9036	10.8591499	9.1450442	9213	10.8549558 10.8540345	10.0041941 10.0042118	177	9.9958059	3 2
58 59	9·1417537 9·1426555	9018	10.8582463 10.8573445	9·1459655 9·1468849	9194	10.8540345	10.0042118	177	9·9957882 9·9957705	1
60	9.1435553	8998	10.8564447	9.1478025	9176	10.8521975	10.0042472	177	9.9957528	ō
			~ ,		70.07	m	~	_	~	,
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
										1

	8 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·1435553	8979	10°8564447	9·1478025	9157	10°8521975	10.0042472	178	9·9957528	60
1	9·144532	8961	10°8555468	9·1487182	9139	10°8512818	10.0042650	178	9·9957350.	59
2	9·1453493	8942	10°8546507	9·1496321	9120	10°8503679	10.0042828	179	9·9957172	58
3	9·1462435	8923	10°8537565	9·1505441	9102	10°8494559	10.0043007	178	9·9956993	57
4	9·1471358	8904	10°8528642	9·1514543	9084	10°8485457	10.0043185	180	9·9956815	56
5	9·1480262	8886	10°8519738	9·1523627	9065	10°8476373	10.0043365	179	9·9956635	55
6	9·1489148	8867	10.8510852	9·1532692	9047	10.8467308	10·0043544	180	9·9956456	54
7	9·1498015	8849	10.8501985	9·1541739	9030	10.8458261	10·0043724	181	9·9956276	53
8	9·1506864	8830	10.8493136	9·1550769	9011	10.8449231	10·0043905	180	9·9956095	52
9	9·1515694	8813	10.8484306	9·1559780	8993	10.8440220	10·0044085	181	9·9955915	51
10	9·1524507	8794	10.8475493	9·1568773	8975	10.8431227	10·0044266	182	9·9955734	50
11	9·1533301	8775	10·8466699	9·1577748	8958	10·8422252	10.0044448	182	9·9955552	49
12	9·1542076	8758	10·8457924	9·1586706	8940	10·8413294	10.0044630	182	9·9955370	48
13	9·1550834	8740	10·8449166	9·1595646	8923	10·8404354	10.0044812	183	9·9955188	47
14	9·1559574	8722	10·8440426	9·1604569	8904	10·8395431	10.0044995	183	9·9955005	46
15	9·1568296	8704	10·8431704	9·1613473	8888	10·8386527	10.0045178	183	9·9954822	45
16	9·1577000	8686	10.8423000	9·1622361	8870	10·8377639	10.0045361	184	9·9954639	44
17	9·1585686	8668	10.8414314	9·1631231	8852	10·8368769	10.0045545	184	9·9954455	43
18	9·1594354	8651	10.8405646	9·1640083	8836	10·8359917	10.0045729	184	9·9954271	42
19	9·1603005	8634	10.8396995	9·1648919	8818	10·8351081	10.0045913	185	9·9954087	41
20	9·1611639	8615	10.8388361	9·1657737	8801	10·8342263	10.0046098	185	9·9953902	40
21	9·1620254	8599	10·8379746	9·1666538	8784	10·8333462	10·0046283	186	9·9953717	39
22	9·1628853	8581	10·8371147	9·1675322	8767	10·8324678	10·0046469	186	9·9953531	38
23	9·1637434	8564	10·8362566	9·1684089	8750	10·8315911	10·0046655	186	9·9953345	37
24	9·1645998	8546	10·8354002	9·1692839	8733	10·8307161	10·0046841	187	9·9953159	36
25	9·1654544	8530	10·8345456	9·1701572	8717	10·8298428	10·0047028	187	9·9952972	35
26	9:1663074	8512	10.8336926	9·1710289	8700	10.8289711	10·0047215	188	9·9952785	34
27	9:1671586	8495	10.8328414	9·1718989	8683	10.8281011	10·0047403	188	9·9952597	33
28	9:1680081	8478	10.8319919	9·1727672	8666	10.8272328	10·0047591	188	9·9952409	32
29	9:1688559	8462	10.8311441	9·1736338	8650	10.8263662	10·0047779	188	9·9952221	31
30	9:1697021	8444	10.8302979	9·1744988	8634	10.8255012	10·0047967	189	9·9952033	30
31	9·1705465	8428	10°8294535	9·1753622	8617	10°8246378	10.0048156	190	9:9951844	29
32	9·1713893	8412	10°8286107	9·1762239	8601	10°8237761	10.0048346	190	9:9951654	28
33	9·1722305	8394	10°8277695	9·1770840	8585	10°8229160	10.0048536	190	9:9951464	27
34	9·1730699	8378	10°8269301	9·1779425	8568	10°8220575	10.0048726	190	9:9951274	26
35	9·1739077	8362	10°8260923	9·1787993	8553	10°8212007	10.0048916	190	9:9951084	25
36	9·1747439	8345	10°8252561	9·1796546	8536	10°8203454	10.0049107	191	9·9950893	24
37	9·1755784	8328	10°8244216	9·1805082	8520	10°8194918	10.0049298	192	9·9950702	23
38	9·1764112	8313	10°8235888	9·1813602	8504	10°8186398	10.0049490	192	9·9950510	22
39	9·1772425	8296	10°8227575	9·1822106	8489	10°8177894	10.0049682	192	9·9950318	21
40	9·1780721	8280	10°8219279	9·1830595	8473	10°8169405	10.0049874	193	9·9950126	20
41	9·1789001	8264	10°8210999	9·1839068	8457	10.8160932	10.0050067	193	9·9949933	19
42	9·1797265	8247	10°8202735	9·1847525	8441	10.8152475	10.0050260	194	9·9949740	18
43	9·1805512	8232	10°8194488	9·1855966	8426	10.8144034	10.0050454	194	9·9949546	17
44	9·1813744	8216	10°8186256	9·1864392	8410	10.8135608	10.0050648	194	9·9949352	16
45	9·1821960	8200	10°8178040	9·1872802	8394	10.8127198	10.0050842	194	9·9949158	15
46	9·1830160	8184	10.8169840	9·1881196	8379	10.8118804	10·0051036	195	9·9948964	14
47	9·1838344	8168	10.8161656	9·1889575	8364	10.8110425	10·0051231	196	9·9948769	13
48	9·1846512	8153	10.8153488	9·1897939	8348	10.8102061	10·0051427	196	9·9948573	12
49	9·1854665	8137	10.8145335	9·1906287	8334	10.8093713	10·0051623	196	9·9948377	11
50	9·1862802	8121	10.8137198	9·1914621	8318	10.8085379	10·0051819	196	9·9948181	10
51	9·1870923	8106	10.8129077	9·1922939	8302	10.8077061	10·0052015	197	9:9947985	9
52	9·1879029	8091	10.8120971	9·1931241	8288	10.8068759	10·0052212	197	9:9947788	8
53	9·1887120	8075	10.8112880	9·1939529	8273	10.8060471	10·0052409	198	9:9947591	7
54	9·1895195	8059	10.8104805	9·1947802	8257	10.8052198	10·0052607	198	9:9947393	6
55	9·1903254	8045	10.8096746	9·1956059	8243	10.8043941	10·0052805	198	9:9947195	5
56 57 58 59 60	9·1911299 9·1919328 9·1927342 9·1935341 9·1943324	8029 8014 7999 7983	10.8088701 10.8080672 10.8072658 10.8064659 10.8056676	9·1964302 9·1972530 9·1980743 9·1988941 9·1997125	8228 8213 8198 8184	10.8035698 10.8027470 10.8019257 10.8011059 10.8002875	10.0053003 10.0053202 10.0053401 10.0053601 10.0053801	199 199 200 200	9*9946997 9*9946798 9*9946599 9*9946399 9*9946199	3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
-	1									1

		a Deg.									
	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	1,
	0	9·1943324	7969	10.8056676	9·1997125	8169	10·8002875	10·0053801	200	9°9946199	60
	1	9·1951293	7954	10.8048707	9·2005294	8155	10·7994706	10·0054001	201	9°9945999	59
	2	9·1959247	7939	10.8040753	9·2013449	8139	10·7986551	10·0054202	201	9°9945798	58
	3	9·1967186	7924	10.8032814	9·2021588	8126	10·7978412	10·0054403	201	9°9945597	57
	4	9·1975110	7909	10.8024890	9·2029714	8111	10·7970286	10·0054604	202	9°9945396	56
	5	9·1983019	7894	10.8016981	9·2037825	8097	10·7962175	10·0054806	202	9°9945194	55
	6	9·1990913	7880	10.8009087	9·2045922	8082	10·7954078	10°0055008	203	9*9944992	54
	7	9·1998793	7865	10.8001207	9·2054004	8068	10·7945996	10°0055211	202	9*9944789	53
	8	9·2006658	7851	10.7993342	9·2062072	8054	10·7937928	10°0055413	204	9*9944587	52
	9	9·2014509	7836	10.7985491	9·2070126	8039	10·7929874	10°0055617	203	9*9944383	51
	10	9·2022345	7822	10.7977655	9·2078165	8026	10·7921835	10°0055820	205	9*9944180	50
	11	9·2030167	7807	10·7969833	9·2086191	8012	10·7913809	10°0056025	204	9·9943975	49
	12	9·2037974	7792	10·7962026	9·2094203	7997	10·7905797	10°0056229	205	9·9943771	48
	13	9·2045766	7779	10·7954234	9·2102200	7984	10·7897800	10°0056434	205	9·9943566	47
	14	9·2053545	7764	10·7946455	9·2110184	7969	10·7889816	10°0056639	205	9·9943361	46
	15	9·2061309	7750	10·7938691	9·2118153	7956	10·7881847	10°0056844	206	9·9943156	45
	16	9·2069059	7736	10·7930941	9·2126109	7942	10·7873891	10.0057050	207	9·9942950	44
	17	9·2076795	7721	10·7923205	9·2134051	7929	10·7865949	10.0057257	206	9·9942743	43
	18	9·2084516	7708	10·7915484	9·2141980	7914	10·7858020	10.0057463	207	9·9942537	42
	19	9·2092224	7693	10·7907776	9·2149894	7901	10·7850106	10.0057670	208	9·9942330	41
	20	9·2099917	7680	10·7900083	9·2157795	7888	10·7842205	10.0057878	208	9·9942122	40
	21	9·2107597	7666	10·7892403	9·2165683	7873	10.7834317	10.0058086	208	9·9941914	39
	22	9·2115263	7651	10·7884737	9·2173556	7861	10.7826444	10.0058294	208	9·9941706	38
	23	9·2122914	7638	10·7877086	9·2181417	7847	10.7818583	10.0058502	209	9·9941498	37
	24	9·2130552	7624	10·7869448	9·2189264	7833	10.7810736	10.0058711	210	9·9941289	36
	25	9·2138176	7611	10·7861824	9·2197097	7820	10.7802903	10.0058921	209	9·9941079	35
	26	9·2145787	7597	10·7854213	9·2204917	7807	10·7795083	10.0059130	211	9·9940870	34
	27	9·2153384	7583	10·7846616	9·2212724	7794	10·7787276	10.0059341	210	9·9940659	33
	28	9·2160967	7569	10·7839033	9·2220518	7780	10·7779482	10.0059551	211	9·9940449	32
	29	9·2168536	7556	10·7831464	9·2228298	7767	10·7771702	10.0059762	211	9·9940238	31
	30	9·2176092	7543	10·7823908	9·2236065	7754	10·7763935	10.0059973	212	9·9940027	30
	31	9·2183635	7529	10.7816365	9·2243819	7742	10-7756181	10.0060185	212	9·9939815	29
	32	9·2191164	7516	10.7808836	9·2251561	7728	10-7748439	10.0060397	212	9·9939603	28
	33	9·2198680	7502	10.7801320	9·2259289	7715	10-7740711	10.0060609	213	9·9939391	27
	34	9·2206182	7489	10.7793818	9·2267004	7702	10-7732996	10.0060822	213	9·9939178	26
	35	9·2213671	7476	10.7786329	9·2274706	7689	10-7725294	10.0061035	213	9·9938965	25
	36	9·2221147	7462	10·7778853	9·2282395	7676	10·7717605	10.0061248	214	9·9938752	24
	37	9·2228609	7450	10·7771391	9·2290071	7664	10·7709929	10.0061462	214	9·9938538	23
	38	9·2236059	7436	10·7763941	9·2297735	7651	10·7702265	10.0061676	215	9·9938324	22
	39	9·2243495	7423	10·7756505	9·2305386	7638	10·7694614	10.0061891	215	9·9938109	21
	40	9·2250918	7410	10·7749082	9·2313024	7626	10·7686976	10.0062106	215	9·9937894	20
	41	9·2258328	7397	10·7741672	9·2320650	7612	10·7679350	10·0062321	216	9·9937679	19
	42	9·2265725	7385	10·7734275	9·2328262	7601	10·7671738	10·0062537	216	9·9937463	18
	43	9·2273110	7371	10·7726890	9·2335863	7588	10·7664137	10·0062753	217	9·9937247	17
	44	9·2280481	7358	10·7719519	9·2343451	7575	10·7656549	10·0062970	217	9·9937030	16
	45	9·2287839	7346	10·7712161	9·2351026	7563	10·7648974	10·0063187	217	9·9936813	15
	46	9·2295185	7333	10·7704815	9·2358589	7550	10·7641411	10.0063404	218	9·9936596	14
	47	9·2302518	7320	10·7697482	9·2366139	7539	10·7633861	10.0063622	218	9·9936378	13
	48	9·2309838	7307	10·7690162	9·2373678	7525	10·7626322	10.0063840	218	9·9936160	12
	49	9·2317145	7295	10·7682855	9·2381203	7514	10·7618797	10.0064058	219	9·9935942	11
	50	9·2324440	7282	10·7675560	9·2388717	7501	10·7611283	10.0064277	219	9·9935723	10
	51	9·2331722	7270	10·7668278	9·2396213	7490	10·7603782	10·0064496	219	9°9935504	9
	52	9·2338992	7257	10·7661008	9·2403708	7477	10·7596292	10·0064715	220	9°9935285	8
	53	9·2346249	7245	10·7653751	9·2411185	7465	10·7588815	10·0064935	221	9°9935065	7
	54	9·2353494	7232	10·7646506	9·2418650	7453	10·7581350	10·0065156	220	9°9934844	6
	55	9·2360726	7220	10·7639274	9·2426103	7440	10·7573897	10·0065376	221	9°9934624	5
	56 57 58 59 60	9·2367946 9·2375153 9·2382349 9·2389532 9·2396702	7207 7196 7183 7170	10·7632054 10·7624847 10·7617651 10·7610468 10·7603298	9·2433543 9·2440972 9·2448389 9·2455794 9·2463188	7429 7417 7405 7394	10·7566457 10·7559028 10·7551611 10·7544206 10·7536812	10·0065597 10·0065819 10·0066041 10·0066263 10·0066485	222 222 222 222 222	9-9934403 9-9934181 9-9933959 9-9933737 9-9933515	4 3 2 1 0
	"	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
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′	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	1
0	9-2396702	7159	10.7603298	9 2463188	7381	10.7536812	10.0066485	223	9.9933515	60
1 2	9.2403861	7146	10.7596139	9*2470569	7370	10.7529431	10.0066708	224	9.9933292	59 58
3	9·2411007 9·2418141	7134	10·7588993 10·7581859	9·2477939 9·2485297	7358	10·7522061 10·7514703	10.0066932 10.0067155	223	9·9933068 9·9932845	57
4	9-2425264	7123	10.7574736	9.2492643	7346 7335	10.7507357	10.0067379	224 225	9.9932621	56
5	9.2432374	7110 7098	10.7567626	9.2499978	7323	10.7500022	10.0067604	225	9.9932396	55
6	9.2439472	7086	10.7560528	9.2507301	7311	10.7492699	10.0067829	225	9.9932171	54 53
8	9·2446558 9·2453632	7074	10.7553442 10.7546368	9·2514612 9·2521912	7300	10.7485388 10.7478088	10.0068054 10.0068280	226	9·9931946 9·9931720	52
9	9.2460695	7063 7051	10.7539305	9.2529200	7288 7277	10.7470800	10.0068506	226 226	9.9931494	51
10	9.2467746	7031	10.7532254	9.2536477	7266	10.7463523	10.0068732	227	9.9931268	50
11	9.2474784	7027	10.7525216	9.2543743	7254	10.7456257	10.0068959	227	9.9931041	49
12 13	9·2481811 9·2488827	7016	10·7518189 10·7511173	9·2550997 9·2558240	7243	10·7449003 10·7441760	10.0069186 10.0069413	227	9·9930814 9·9930587	48
14	9.2495830	7003	10.7504170	9.2565472	7232 7220	10.7434528	10.0069641	228	9.9930359	46
15	9.2502822	6992 6981	10.7497178	9.2572692	7209	10.7427308	10.0069869	228 229	9.9930131	45
16	9.2509803	6969	10.7490197	9.2579901	7198	10.7420099	10.0070098	229	9.9929902	44
17	9·2516772 9·2523729	6957	10·7483228 10·7476271	9·2587099 9·2594285	7186	10·7412901 10·7405715	10.0070327 10.0070556	229	9·9929673 9·9929444	43
19	9.2530675	6946	10.7469325	9.2601461	7176	10.7398539	10.0070336	230 230	9.9929214	41
20	9.2537609	6934 6923	10.7462391	9.2608625	7164 7154	10.7391375	10.0071016	231	9.9928984	40
21	9.2544532	6912	10.7455468	9.2615779	7142	10.7384221	10.0071247	231	9.9928753	39
22 23	9·2551444 9·2558344	6900	10·7448556 10·7441656	9·2622921 9·2630053	7132	10.7377079 10.7369947	10.0071478 10.0071709	231	9·9928522 9·9928291	38
24	9.2565233	6889	10.7434767	9.2637173	7120	10.7362827	10.0071941	232 232	9.9928059	36
25	9.2572110	6877 6867	10.7427890	9.2644283	7110 7099	10.7355717	10.0072173	232	9.9927827	35
26	9.2578977	6855	10.7421023	9.2651382	7088	10.7348618	10.0072405	233	9.9927595	34
27 28	9·2585832 9·2592676	6844	10·7414168 10·7407324	9·2658470 9·2665547	7077	10·7341530 10·7334453	10.0072638 10.0072871	233	9·9927362 9·9927129	33
29	9.2599509	6833	10.7400491	9.2672613	7066	10.7327387	10.0073105	234	9.9926895	31
30	9.2606330	6821 6811	10.7393670	9.2679669	7056 7045	10.7320331	10.0073339	234 234	9.9926661	30
31	9.2613141	6800	10.7386859	9.2686714	7035	10.7313286	10.0073573	235	9.9926427	29 28
32	9·2619941 9·2626729	6788	10·7380059 10·7373271	9·2693749 9·2700772	7023	10·7306251 10·7299228	10.0073808 10.0074043	235	9·9926192 9·9925957	27
34	9.2633507	6778 6767	10.7366493	9.2707786	7014 7002	10.7292214	10.0074278	235 236	9.9925722	26
35	9.2640274	6756	10.7359726	9.2714788	6992	10.7285212	10.0074514	236	9.9925486	25
36	9.2647030	6745	10.7352970	9.2721780	6982	10.7278220	10.0074750	237	9.9925250	24 23
37 38	9.2653775	6734	10·7346225 10·7339491	9·2728762 9·2735733	6971	10·7271238 10·7264267	10·0074987 10·0075224	237	9 · 9925013 9 · 9924776	23
39	9.2667232	6723 6713	10.7332768	9.2742694	6961 6950	10.7257306	10.0075461	237 238	9.9924539	21
40	9.2673945	6702	10.7326055	9.2749644	6940	10.7250356	10.0075699	238	9.9924301	20
41	9.2680647	6691	10.7319353	9.2756584	6930	10.7243416	10.0075937	239	9.9924063	19
42	9·2687338 9·2694019	6681	10·7312662 10·7305981	9·2763514 9·2770434	6920	10·7236486 10·7229566	10.0076176 10.0076415	239	9·9923824 9·9923585	18
44	9.2700689	6670 6659	10.7299311	9.2777343	6909 6899	10.7222657	10.0076654	239 240	9.9923346	16
45	9.2707348	6649	10.7292652	9.2784242	6889	10.7215758	10.0076894	240	9.9923106	15
46	9.2713997	6638	10.7286003	9.2791131	6878	10.7208869	10.0077134	240	9.9922866	14
47	9.2720635	6628	10·7279365 10·7272737	9·2798009 9·2804878	6869	10·7201991 10·7195122	10.0077374 10.0077615	241	9 · 9922626 9 · 9922385	13
49	9.2733880	6617	10.7266120	9.2811736	6858	10.7188264	10.0077856	241	9.9922144	11
50	9.2740487	6607 6596	10.7259513	9.2818585	6849 6838	10.7181415	10.0078098	242 242	9.9921902	10
51	9.2747083	6586	10.7252917	9.2825423	6828	10.7174577	10.0078340	242	9.9921660	9
52 53	9.2753669 9.2760245	6576	10·7246331 10·7239755	9·2832251 9·2839070	6819	10·7167749 10·7160930	10.0078582 10.0078825	243	9·9921418 9·9921175	8 7
54	9.2766811	6566 6555	10.7233189	9.2845878	6808 6799	10.7154122	10.0079068	243 243	9-9920932	6
55	9.2773366	6545	10.7226634	9.2852677	6789	10.7147323	10.0079311	244	9.9920689	5
56	9.2779911	6534	10.7220089	9.2859466	6779	10.7140534	10.0079555	244	9.9920445	3
57 58	9.2786445	6525	10·7213555 10·7207030	9·2866245 9·2873014	6769	10.7133755 10.7126986	10°0079799 10°0080044	245	9 9920201 9 9919956	2
59	9.2799484	6514 6504	10.7200516	9.2879773	6759	10.7120227	10.0080289	245 245	9.9919711	1
60	9.2805988	0004	10.7194012	9.2886523	6750	10.7113477	10.0080534	240	9-9919466	0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
	Contro			County.	21111	24119.	00000	2.	2.110	
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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	1
				J						
0	9.2805988	6495	10.7194012	9.2886523	6740	10.7113477	10.0080534	246	9.9919466	60
1	9.2812483	6484	10.7187517	9.2893263	6730	10.7106737	10.0080780	246	9.9919220	59
2	9.2818967	6474	10.7181033	9.2899993	6720	10.7100007	10.0081026	247	9.9918974	58
3	9.2825441	6464	10.7174559	9.2906713	6711	10.7093287	10.0081273	247	9.9918727	57
4	9.2831905	6454	10.7168095	9.2913424	6702	10.7086576	10.0081520	247	9.9918480	56
5	9.2838359	6444	10.7161641	9.2920126	6691	10.7079874	10.0081767	247	9.9918233	55
6	9.2844803	6434	10.7155197	9.2926817	6683	10.7073183	10.0082014	249	9.9917986	54
7	9.2851237	6424	10.7148763	9.2933500	6672	10.7066500	10.0082263	248	9.9917737	53
8	9.2857661	6415	10.7142339	9.2940172	6664	10:7059828	10.0082511	249	9.9917489	52
10	9·2864076 9·2870480	6404	10.7135924 10.7129520	9·2946836 9·2953489	6653	10·7053164 10·7046511	10.0082760 10.0083009	249	9·9917240 9·9916991	51 50
		6395			6645			250		
11	9.2876875	6385	10.7123125	9.2960134	6635	10.7039866	10.0083259	249	9.9916741	49
12 13	9·2883260 9·2889636	6376	10:7116740	9.2966769	6626	10·7033231 10·7026605	10.0083508 10.0083759	251	9·9916492 9·9916241	48
14	9 2896001	6365	10.7110364 10.7103999	9·2973395 9·2980011	6616	10.7019989	10.0084010	251	9.9915990	46
15	9.2902357	6356	10.7097643	9.2986618	6607	10.7013382	10.0084261	251	9.9915739	45
		6347			6598			251		
16	9·2908704 9·2915040	6336	10.7091296	9.2993216	6588	10.7006784 10.7000196	10.0084512 10.0084764	252	9·9915488 9·9915236	44
17 18	9.2913040	6327	10.7084960 10.7078633	9·2999804 9·3006383	6579	10.6993617	10.0085016	252	9 9913230	43
19	9.2927685	6318	10.7072315	9:3012954	6571	10.6987046	10.0085269	253	9.9914731	41
20	9.2933993	6308	10.7066007	9.3019514	6560	10.6980486	10.0085522	253 253	9-9914478	40
21	9.2940291	6298			6552	10.6973934	10.0085775		9.9914225	39
22	9.2946580	6289	10.7059709 10.7053420	9.3026066	6543	10.6967391	10.0086029	254	9.9913971	38
23	9.2952859	6279	10.7047141	9.3039143	6534	10.6960857	10.0086283	254	9.9913717	37
24	9.2959129	6270	10.7040871	9.3045667	6524	10.6954333	10.0086538	255 255	9.9913462	36
25	9.2965390	6261 6251	10.7034610	9.3052183	6516 6506	10.6947817	10.0086793	255	9.9913207	35
26	9.2971641		10.7028359	9.3058689		10.6941311	10.0087048		9.9912952	34
27	9.2977883	6242	10.7022117	9.3065187	6498	10.6934813	10.0087304	256	9.9912696	33
28	9-2984116	6233 6223	10.7015884	9.3071675	6488 6480	10.6928325	10.0087560	256 256	9.9912440	32
29	9.2990339	6214	10.7009661	9.3078155	6471	10.6921845	10.0087816	257	9.9912184	31
30	9.2996553	6205	10.7003447	9.3084626	6462	10.6915374	10.0088073	257	9.0911927	30
31	9.3002758		10.6997242	9.3091088		10.6908912	10.0088330		£°9911670	29
32	9.3008953	6195 6187	10.6991047	9.3097541	6453 6444	10.6902459	10.0088588	258 258	9.9911412	28
33	9.3015140	6177	10.6984860	9.3103985	6436	10.6896015	10.0088846	258	9.9911154	27
34	9.3021317	6168	10.6978683	9.3110421	6427	10.6889579	10.0089104	259	9.9910896	26
35	9.3027485	6159	10.6972515	9.3116848	6418	10.6883152	10.0089363	259	9.9910637	25
36	9.3033644	6150	10.6966356	9.3123266	6409	10.6876734	10.0089622	259	9.9910378	24
37	9.3039794	6140	10.6960206	9.3129675	6401	10.6870325	10.0089881	260	9.9910119	23
38	9.3045934	6132	10.6954066	9.3136076	6392	10.6863924	10.0090141	261	9*9909859	22
39	9.3052066	6123	10.6947934	9.3142468	6383	10.6857532	10.0090402	260	9.9909598	21
40	9.3058189	6114	10.6941811	9.3148851	6375	10.6851149	10.0090662	261	9.9909338	20
41	9.3064303	6104	10.6935697	9.3155226	6366	10.6844774	10.0090923	262	9.9909077	19
42	9:3070407	6096	10.6929593	9.3161592	6358	10:6838408	10.0091185	262	9.9908815	18
43	9·3076503 9·3082590	6087	10.6923497	9.3167950	6349	10.6832050 10.6825701	10.0091447 10.0091709	262	9·9908553 9·9908291	17
44 45	9.3082590	6078	10.6917410 10.6911332	9·3174299 9·3180640	6341	10.6819360	10.0091703	262	9.9908291	16 15-
		6069			6332			263		
46	9.3094737	6061	10.6905263	9.3186972	6323	10.6813028	10.0092234	264	9.9907766	14
47	9·3100798 9·3106849	6051	10:6899202	9.3193295	6316	10.6806705 10.6800389	10.0092498 10.0092761	263	9*9907502 9*9907239	13
49	9.3112892	6043	10.6893151 10.6887108	9·3199611 9·3205918	6307	10.6794082	10.0093026	265	9 9907239 9 9906974	11
50	9.3118926	6034	10.6881074	9.3212216	6298	10.6787784	10.0093290	264	9.9906710	10
51	9.3124951	6025	10.6875049	9:3218506	6290	10.6781494	10.0093555	265	9.9906445	9
52	9.3130968	6017	10.6875049	9.3218506	6282	10.6781494	10.0093555	265	9 9906180	
53	9.3136976	6008	10.6863024	9.3231061	6273	10.6768939	10.0094086	266	9.9905914	8 7
54	9.3142975	5999	10.6857025	9.3237327	6266	10.6762673	10.0094352	266	9.9905648	6
55	9.3148965	5990 5982	10.6851035	9.3243584	6257 $6248$	10.6756416	10.0094618	266 267	9.9905382	5
56	9.3154947		10.6845053	9.3249832		10.6750168	10.0094885		9.9905115	4
57	9.3160921	5974	10.6839079	9.3256073	6241	10 6743927	10.0095155	267	9.9904848	3
58	9.3166885	5964 5956	10.6833115	9.3262305	$6232 \\ 6224$	10.6737695	10.0095420	268 268	9.9904580	3 2 1
59	9.3172841	5948	10.6827159	9.3268529	6216	10.6731471	10.0095688	268	9.9904312	
60	9.3178789	3013	10.6821211	9.3274745	JEEU	10.6725255	10.0095956	200	9.9904044	0
1,	0.1	70100	~ .	~ .	70.00	-	-	-		,
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
									- 1	
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	12 Deg.									-
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9:3178789	5939	10.6821211	9:3274745	6208	10.6725255	10·0095956	269	9·9904044	60
1	9:3184728	5931	10.6815272	9:3280953	6200	10.6719047	10·0096225	269	9·9903775	59
2	9:3190659	5922	10.6809841	9:3287153	6192	10.6712847	10·0096494	269	9·9903506	58
3	9:3196581	5914	10.6803419	9:3293345	6183	10.6706655	10·0096763	270	9·9903237	57
4	9:3202495	5905	10.6797505	9:3299528	6176	10.6700472	10·0097033	270	9·9902967	56
5	9:3208400	5897	10.6791600	9:3305704	6168	10.6694296	10·0097303	271	9·9902697	55
6 7 8 9 10	9·3214297 9·3220186 9·3226066 9·3231938 9·3237802	5889 5880 5872 5864 5855	10.6785703 10.6779814 10.6773934 10.6768062 10.6762198	9·3311872 9·3318031 9·3324183 9·3330327 9·3336463	6159 6152 6144 6136 6128	10.6688128 10.6681969 10.6675817 10.6669673 10.6663537	10·0097574 10·0097845 10·0098117 10·0098388 10·0098661	271 272 271 273 273 272	9·9902426 9·9902155 9·9901883 9·9901612 9·9901339	54 53 52 51 50
11	9:3243657	5848	10.6756343	9:3342591	6120	10.6657409	10·0098933	273	9·9901067	49
12	9:3249505	5839	10.6750495	9:3348711	6112	10.6651289	10·0099206	273	9·9900794	48
13	9:3255344	5830	10.6744656	9:3354823	6104	10.6645177	10·0099479	274	9·9900521	47
14	9:3261174	5823	10.6738826	9:3360927	6097	10.6639073	10·0099753	274	9·9900247	46
15	9:3266997	5814	10.6733003	9:3367024	6089	10.6632976	10·0100027	275	9·9899973	45
16	9·3272811	5806	10.6727189	9·3373113	6081	10.6626887	10·0100302	275	9·9899698	44
17	9·3278617	5799	10.6721383	9·3379194	6073	10.6620806	10·0100577	275	9·9899423	43
18	9·3284416	5790	10.6715584	9·3385267	6066	10.6614733	10·0100852	275	9·9899148	42
19	9·3290206	5782	10.6709794	9·3391333	6058	10.6608667	10·0101127	276	9·9898873	41
20	9·3295988	5773	10.6704012	9·3397391	6050	10.6602609	10·0101403	277	9·9898597	40
21 22 23 24 25	9·3301761 9·3307527 9·3313285 9·3319035 9·3324777	5766 5758 5750 5742 5734	10.6698239 10.6692473 10.6686715 10.6680965 10.6675223	9:3403441 9:3409484 9:3415519 9:3421546 9:3427566	6043 6035 6027 6020 6012	10.6596559 10.6590516 10.6584481 10.6578454 10.6572434	10·0101680 10·0101957 10·0102234 10·0102511 10·0102789	277 277 277 278 278 279	9·9898320 9·9898043 9·9897766 9·9897489 9·9897211	39 38 37 36 35
26	9·3330511	5726	10.6669489	9·3433578	6005	10.6566422	10·0103068	278	9·9896932	34
27	9·3336237	5718	10.6663763	9·3439583	5997	10.6560417	10·0103346	280	9·9896654	33
28	9·3341955	5710	10.6658045	9·3445580	5990	10.6554420	10·0103626	279	9·9896374	32
29	9·3347665	5703	10.6652335	9·3451570	5982	10.6548430	10·0103905	280	9·9896095	31
30	9·3353368	5694	10.6646632	9·3457552	5975	10.6542448	10·0104185	280	9·9895815	30
31	9.3359062	5687	10.6640938	9:3463527	5967	10.6536473	10.0104465	281	9:9895535	29
32	9.3364749	5679	10.6635251	9:3469494	5960	10.6530506	10.0104746	281	9:9895254	28
33	9.3370428	5671	10.6629572	9:3475454	5953	10.6524546	10.0105027	281	9:9894973	27
34	9.3376099	5663	10.6623901	9:3481407	5945	10.6518593	10.0105308	282	9:9894692	26
35	9.3381762	5656	10.6618238	9:3487352	5938	10.6512648	10.0105590	282	9:9894410	25
36	9·3387418	5647	10.6612582	9·3493290	5930	10.6506710	10.0105872	283	9·9894128	24
37	9·3393065	5641	10.6606935	9·3499220	5923	10.6500780	10.0106155	283	9·9893845	23
38	9·3398706	5632	10.6601294	9·3505143	5916	10.6494857	10.0106438	283	9·9893562	22
39	9·3404338	5625	10.6595662	9·3511059	5909	10.6488941	10.0106721	284	9·9893279	21
40	9·3409963	5617	10.6590037	9·3516968	5901	10.6483032	10.0107005	284	9·9892995	20
41	9:3415580	5610	10.6584420	9·3522869	5894	10.6477131	10·0107289	284	9·9892711	19
42	9:3421190	5602	10.6578810	9·3528763	5887	10.6471237	10·0107573	285	9·9892427	18
43	9:3426792	5594	10.6573208	9·3534650	5880	10.6465350	10·0107858	286	9·9892142	17
44	9:3432386	5587	10.6567614	9·3540530	5872	10.6459470	10·0108144	285	9·9891856	16
45	9:3437973	5579	10.6562027	9·3546402	5865	10.6453598	10·0108429	286	9·9891571	15
46	9·3443552	5572	10.6556448	9·3552267	5859	10.6447733	10·0108715	287	9·9891285	14
47	9·3449124	5564	10.6550876	9·3558126	5851	10.6441874	10·0109002	287	9·9890998	13
48	9·3454688	5557	10.6545312	9·3563977	5844	10.6436023	10·0109289	287	9·9890711	12
49	9·3460245	5549	10.6539755	9·3569821	5837	10.6430179	10·0109576	287	9·9890424	11
50	9·3465794	5542	10.6534206	9·3575658	5829	10.6424342	10·0109863	288	9·9890137	10
51	9·3471336	5534	10.6528664	9·3581487	5823	10.6418513	10·0110151	289	9 ·9889849	9
52	9·3476870	5527	10.6523130	9·3587310	5816	10.6412690	10·0110440	289	9 ·9889560	8
53	9·3482397	5520	10.6517603	9·3593126	5809	10.6406874	10·0110729	289	9 ·9889271	7
54	9·3487917	5512	10.6512083	9·3598935	5801	10.6401065	10·0111018	289	9 ·9888982	6
55	9·3493429	5505	10.6506571	9·3604736	5795	10.6395264	10·0111307	290	9 ·9888693	5
56 57 58 59 60	9·3498934 9·3504432 9·3509922 9·3515405 9·3520880	5498 5490 5483 5475	10.6501066 10.6495568 10.6490078 10.6484595 10.6479120	9·3610531 9·3616319 9·3622100 9·3627874 9·3633641	5788 5781 5774 5767	10.6389469 10.6383681 10.6377900 10.6372126 10.6366359	10·0111597 10·0111887 10·0112178 10·0112469 10·0112761	290 291 291 292	9·9888403 9·9888113 9·9887822 9·9887531 9·9887239	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
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	Gi-a	T): ec	Conn	(Tana	TO 2.00	O-to-	Second	ъ	Contra	
	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
0	9.3520880	5469	10.6479120	9.3633641	5760	10.6366359	10.0112761	292	9.9887239	60
1	9.3526349	5461	10.6473651	9.3639401	5754	10.6360599	10.0113053	292	9.9886947	59
2 3	9·3531810 9·3537264	5454	10.6468190 10.6462736	9.3645155	5746	10.6354845	10.0113345	292	9.9886655	58
4	9.3537204	5446	10.6457290	9·3650901 9·3656641	5740	10.6349099 10.6343359	10.0113637 10.0113930	293	9 · 9886363 9 · 9886070	56
5	9.3548150	5440	10.6451850	9.3662374	5733	10.6337626	10.0113830	294	9.9885776	55
1		5432			5726			294		
6 7	9·3553582 9·3559007	5425	10.6446418 10.6440993	9·3668100 9·3673819	5719	10.6331900 10.6326181	10.0114518 10.0114812	294	9·9885482 9·9885188	54 53
8	9.3564426	5419	10.6435574	9.3679532	5713	10.6320468	10.0114812	294	9.9884894	52
9	9.3569836	5410	10.6430164	9.3685238	5706	10.6314762	10.0115401	295	9.9884599	51
10	9.3575240	5404 5397	10.6424760	9:3690937	5699 5692	10.6309663	10.0115697	296 295	9.9884303	50
11	9.3580637	5390	10.6419363	9.3696629	5686	10.6303371	10.0115992	296	9.9884008	49
12	9.3586027	5382	10:6413973	9.3702315	5679	10.6297685	10.0116288	297	9.9883712	48
13 14	9·3591409 9·3596785	5376	10.6408591 10.6403215	9·3707994 9·3713667	5673	10.6292006	10.0116585 10.0116882	297	9·9883415 9·9883118	47
15	9.3602154	5369	10.6397846	9.3719333	5666	10.6280667	10.0117179	297	9.9882821	45
		5361	10.6392485		5659			298		
16	9:3607515	5355		9.3724992	5653	10.6275008 10.6269355	10:0117477	298	9.9882523	44
17 18	9·3612870 9·3618217	5347	10.6387130 10.6381783	9·3730645 9·3736291	5646	10.6263709	10.0117775 10.0118073	298	9·9882225 9·9881927	42
19	9.3623558	5341	10.6376442	9.3741930	5639	10.6258070	10.0118372	299	9.9881628	41
20	9.3628892	5334 5327	10.6371108	9.3747563	5633 5627	10.6252437	10.0118671	299 300	9.9881329	40
21	9:3634219		10.6365781	9.3753190	5620	10.6246810	10.0118971	300	9.9881029	39
22	9.3639539	5320 5313	10.6360461	9.3758810	5613	10.6241190	10.0119271	300	9.9880729	38
23	9.3644852	5306	10.6355148	9.3764423	5607	10.6235577	10.0119571	301	9.9880429	37
24	9:3650158	5300	10.6349842	9.3770030	5601	10.6229970 10.6224369	10.0119872	301	9.9880128	36
25	9.3655458	5292	10.6344542	9.3775631	5594		10.0120173	302	9.9879827	35
26	9.3660750	5286	10.6339250	9.3781225	5588	10.6218775	10.0120475	302	9.9879525	34
27 28	9·3666036 9·3671315	5279	10.6333964 10.6328685	9·3786813 9·3792394	5581	10.6213187 10.6207606	10.0120777 10.0121079	302	9·9879223 9·9878921	33
29	9.3676587	5272	10.6323413	9.3797969	5575	10.6202031	10.0121382	303	9.9878618	31
30	9.3681853	5266 5258	10.6318147	9.3803537	5568 5563	10.6196463	10.0121685	303	9.9878315	30
31	9.3687111		10.6312889	9.3809100		10.6190900	10.0121988	304	9.9878012	29
32	9 3692363	5252 5245	10.6307637	9.3814655	5555 5550	10.6185345	10.0122292	304	9.9877708	28
33	9.3697608	5239	10.6302392	9.3820205	5543	10.6179795	10.0122596	305	9.9877404	27
34	9.3702847	5232	10.6297153 10.6291921	9.3825748	5537	10.6174252	10.0122901	305	9.9877099	26
35	9.3708079	5225		9.3831285	5531	10.6168715	10.0123206	306	9.9876794	25
36	9.3713304	5219	10.6286696	9.3836816	5524	10.6163184	10.0123512	305	9.9876488	24
37	9.3718523	5212	10.6281477	9.3842340	5518	10:6157660	10.0123817	307	9.9876183	23
38 39	9·3723735 9·3728940	5205	10.6276265	9·3847858 9·3853370	5512	10.6152142 10.6146630	10·0124124 10·0124430	306	9·9875876 9·9875570	22 21
40	9.3734139	5199	10.6265861	9.3858876	5506	10.6141124	10.0124737	307	9.9875263	20
41	9.3739331	5192	10.6260669	9.3864376	5500	10.6135624	10.0125045	308	9.9874955	19
42	9.3744517	5186	10.6255483	9.3869869	5493	10.6130131	10.0125352	307	9.9874648	18
43	9.3749696	5179	10.6250304	9.3875356	5487	10.6124644	10.0125661	309 308	9.9874339	17
44	9.3754868	5172	10.6245132	9.3830837	5481 5475	10.6119163	10.075268	309	9.9874031	16
45	9.3760034	5166 5160	10.6239966	9.3886312	5469	10.6113688	10.0126278	309	9.9873722	15
46	9.3765194		10.6234806	9.3891781		10.6108219	10.0126587		9.9873413	14
47	9.3770347	5153	10.6229653	9.3897244	5463 5456	10.6102756	10.0126897	310 310	9.9873103	13
48	9.3775493	5146 5140	10.6224507	9.3902700	5451	10.6097300	10.0127207	311	9.9872793	12
49	9.3780633	5134	10.6219367	9.3908151	5444	10.6091849	10.0127518	311	9.9872482	11
50	9.3785767	5127	10.6214233	9.3913595	5439	10.6086405	10.0127829	311	9.9872171	10
51 52	9.3790894	5121	10.6209106 10.6203985	9·3919034 9·3924466	5432	10.6080966	10.0128140 10.0128451	311	9.9871860	9
53	9·3796015 9·3801129	5114	10.6198871	9.3924466	5427	10.6075534 10.6070107	10.0128451	313	9·9871549 9·9871236	7
54	9.3806237	5108	10.6193763	9.3935313	5420	10.6064687	10.0129076	312	9.9870924	8 7 6
55	9.3811339	5102 5095	10.6188661	9.3940727	5414 5409	10.6059273	10.0129389	313 313	9.9870611	5
56	9.3816434	5089	10.6183566	9.3946136	5402	10.6053864	10.0129702	314	9.9870298	4
57	9.3821523	5089	10.6178477	9.3951538	5397	10.6048462	10.0130016	314	9.9869984	3
58	9.3826605	5077	10.6173395	9.3956935	5391	10.6043065	10.0130330	314	9.9869670	2
59 60	9·3831682 9·3836752	5070	10.6168318 10.6163248	9·3962326 9·3967711	5385	10.6037674 10.6032289	10.0130644 10.0130959	315	9·9869356 9·9869041	0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
	Cosine	- Jii.	DOGIII	County.	DIII.	TAILE.	COBCC.	٠.	Diffe	

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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
0	9.3836752		10.6163248	9.3967711		10.6032289	10.0130959		9-9869041	60
1	9.3841815	5063	10.6158185	9.3973089	5378	10.6026911	10.0131274	315	9.9868726	59
2	9.3846873	5058 5051	10.6153127	9.3978463	5374 5367	10.6021537	10.0131590	316 316	9.9868410	58
3	9.3851924	5045	10.6148076	9.3983830	5361	10.6016170	10.0131906	316	9.9868094	57
4	9.3856969	5039	10.6143031	9.3989191	5356	10.6010809	10.0132222	317	9.9867778	56
5	9.3862008	5032	10.6137992	9.3994547	5349	10.6005453	10.0132539	317	9.9867461	55
6	9.3867040	5027	10.6132960	9.3999896	5344	10.6000104	10.0132856	317	9.9867144	54
7	9.3872067	5020	10.6127933	9.4005240	5338	10.5994760	10.0133173	318	9.9866827	53
8	9.3877087	5014	10.6122913	9.4010578	5332	10.5989422	10.0133491	318	9.9866509	52
9 10	9·3882101 9·3887109	5008 5002	10.6117899 10.6112891	9·4015910 9·4021237	5327 5321	10·5984090 10·5978763	10.0133809 10.0134128	319 319	9·9866191 9·9865872	51 50
11	9.3892111	4995	10.6107889	9.4026558	5315	10.5973442	10.0134447	320	9.9865553	49
12	9.3897106	4990	10.6102894	9.4031873	5309	10.5968127	10.0134767	320	9.9865233	48
13	9.3302096	4983	10.6097904	9.4037182	5304	10.5962818	10.0135087	320	9.9864913	47
14	9.3907079	4978	10.6092921	9.4042486	5298	10:5957514	10.0135407	320	9.9864593	46
15	9:3912057	4971	10.6087943	9.4047784	5292	10.5952216	10.0135727	321	9.9864273	45
16	9.3917028	4965	10.6082972	9.4053076	5287	10.5946924	10.0136048	322	9.9863952	44
17	9.3921993	4959	10.6078007	9.4058363	5281	10.5941637	10.0136370	322	9.9863630	43
18 19	9.3926952	4953	10.6073048 10.6068095	9.4063644	5275 5270	10.5936356 10.5931081	10.0136692	322	9.9863308	42
20	9·3931905 9·3936852	4947	10.6063148	9·4068919 9·4074189	5270	10 5931081	10.0137014 10.0137337	323	9.9862986 9.9862663	40
		4942			5264			323		
21	9.3941794	4935	10.6058206	9.4079453	5259	10:5920547	10.0137660	323	9.9862340	39
22 23	9·3946729 9·3951658	4929	10.6053271 10.6048342	9·4084712 9·4089965	5253	10·5915288 10·5910035	10·0137983 10·0138307	324	9.9862017 9.9861693	38
24	9.3956581	4923	10.6043419	9.4095212	5247	10.5904788	10.0138631	324	9.9861369	36
25	9.3961499	4918	10.6038501	9.4100454	5242	10.5899546	10.0138955	324	9.9861045	35
26		4911			5236			325		
27	9.3966410	4905	10.6033590 10.6028685	9·4105690 9·4110921	5231	10.5894310 10.5889079	10·0139280 10·0139606	326	9·9860720 9·9860394	34
28	9·3971315 9·3976215	4900	10.6023785	9.4116146	5225	10.5883854	10.0139931	325	9.9869069	32
29	9.3981109	4894	10.6018891	9.4121366	5220	10.5878634	10.0140258	327	9.9859742	31
30	9.3985996	4887 4882	10.6014004	9.4126581	5215 5208	10.5873419	10.0140584	326 327	9.9859416	30
31	9:3990878		10.6009122	9.4131789		10.5868211	10.0140911		9.9859089	29
32	9.3995754	4876	10.6004246	9.4136993	5204	10.5863007	10.0141238	327	9.9858762	28
33	9.4000625	4871 4864	10.5999375	9.4142191	5198 5192	10.5857809	10.0141566	328 328	9.9858434	27
34	9.4005489	4859	10.5994511	9.4147383	5187	10.5852617	10.0141894	329	9.9858106	26
35	9.4010348	4853	10.5989652	9.4152570	5182	10.5847430	10.0142223	328	9.9857777	25
36	9.4015201	4847	10.5984799	9.4157752	5176	10.5842248	10.0142551	330	9.9857449	24
37	9.4020048	4841	10.5979952	9.4162928	5170	10.5837072	10.0142881	329	9.9857119	23
38	9.4024889	4835	10.5975111	9.4168099	5166	10.5831901	10.0143210	330	9.9856790	22
39	9.4029724	4830	10.5970276	9.4173265	5160	10.5826735	10.0143540	331	9.9856460	21
40	9.4034554	4824	10.5965446	9.4178425	5155	10.5821575	10.0143871	331	9.9856129	20
41 42	9·4039378 9·4044196	4818	10·5960622 10·5955804	9·4183580 9·4188729	5149	10.5816420 10.5811271	10.0144202 10.0144533	331	9·9855798 9·9855467	19
43	9.4049190	4813	10.5950991	9.4193874	5145	10.5806126	10.0144865	332	9.9855135	17
44	9.4053816	4807	10.5946184	9.4199013	5139	10.5800987	10.0145197	332	9.9854803	16
45	9.4058617	4801 4796	10.5941383	9.4204146	5133 5129	10.5795854	10.0145529	332 333	9.9854471	15
46	9.4063413		10.5936587	9.4209275		10.5790725	10.0145862		9-9854138	14
47	9.4068203	4790	10.5931797	9.4214398	5123	10.5785602	10.0146195	333	9.9853805	13
48	9.4072987	4784	10.5927013	9.4219515	5117	10.5780485	10.0146529	334	9.9853471	12
49	9.4077766	4779	10.5922234	9.4224628	5113	10.5775372	10.0146862	333 335	9.9853138	11
50	9.4082539	4773 4767	10.5917461	9.4229735	5107 5103	10.5770265	10.0147197	335	9.9852803	10
51 52	9.4087306	4762	10.5912694	9.4234838	5097	10.5765162	10.0147532	335	9-9852468	9
53	9·4092068 9·4096824	4756	10.5907932 10.5903176	9·4239935 9·4245026	5091	10·5760065 10·5754974	10.0147867 10.0148202	335	9·9852133 9·9851798	7
54	9.4101575	4751	10.5898425	9.4250113	5087	10.5749887	10.0148538	336	9.9851462	8 7 6
55	9.4106320	4745 4739	10.5893680	9.4255194	5081 5077	10.5744806	10.0148875	337 336	9.9851125	5
56	9.4111059	4734	10.5888941	9.4260271		10.5739729	10.0149211	337	9.9850789	4
57	9.4115793	4729	10.5884207	9.4265342	5071 5066	10.5734658	10.0149548	337	9.9850452	3
58	9.4120522	4723	10.5879478	9.4270408	5061	10.5729592	10.0149886	338	9.9850114	3 2 1
59 60	9.4125245	4717	10.5874755	9.4275469	5056	10.5724531	10.0150224	338	9.9849776	0
	9.4129962		10.5870038	9.4280525		10.5719475	10.0150562		9-9849438	
'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
										1

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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9.4129962	4712	10.5870038	9.4280525	EDED	10.5719475	10.0150562	000	9.9849438	60
1	9.4134674	4707	10.5865326	9.4285575	5050 5046	10.5714425	10.0150901	339 339	9.9849099	59
2 3	9.4139381	4701	10.5860619	9:4290621	5040	10.5709379	10.0151240	340	9.9848760	58
4	9·4144082 9·4148778	4696	10·5855918 10·5851222	9·4295661 9·4300697	5036	10·5704339 10·5699303	10.0151580 10.0151919	339	9.9848420 9.9848081	57
5	9.4153468	4690 4684	10.5846532	9.4305727	5030	10.5694273	10.0151313	341	9.9847740	55
6	9.4158152	4680	10.5841848	9.4310753	5026	10.5689247	10.0152600	340	9.9847400	54
7	9.4162832	4674	10.5837168	9.4315773	5020 5016	10.5684227	10.0152941	341 342	9.9847059	53
8 9	9.4167506	4668	10.5832494	9.4320789	5010	10.5679211	10.0153283	342	9.9846717	52
10	9·4172174 9·4176837	4663	10·5827826 10·5823163	9·4325799 9·4330804	5005	10·5674201 10·5669196	10.0153625 10.0153967	342	9.9846375 9.9846033	51
11	9.4181495	4658	10.5818505	9.4335805	5001	10.5664195	10.0154310	343	9.9845690	49
12	9.4186148	4653 4647	10.5813852	9.4340800	4995 4991	10.5659200	10.0154653	343 343	9.9845347	48
13	9.4190795	4641	10.5809205	9:4345791	4985	10.5654209	10.0154996	344	9.9845004	47
14 15	9·4195436 9·4200073	4637	10·5804564 10·5799927	9·4350776 9·4355757	4981	10.5649224 10.5644243	10.0155340 10.0155684	344	9.9844660 9.9844316	46
16	9.4204704	4631	10.5795296	9.4360733	4976	10.5639267	10.0156029	345		
17	9.4209330	4626	10.5790670	9 4365704	4971	10.5634296	10.0156374	345	9 · 9843971 9 · 9843626	44
18	9.4213950	4620 4616	10.5786050	9.4370670	4966 4961	10.5629330	10.0156719	345 346	9.9843281	42
19	9.4218566	4610	10.5781434	9.4375631	4956	10.5624369	10.0157065	346	9.9842935	41
20	9.4223176	4604	10.5776824	9.4380587	4951	10.5619413	10.0157411	347	9.9842589	40
21	9.4227780	4600	10.5772220	9.4385538	4947	10.5614462	10.0157758	347	9.9842242	39
22	9·4232380 9·4236974	4594	10.5767620	9·4390485 9·4395426	4941	10·5609515 10·5604574	10·0158105 10·0158452	347	9.9841895 9.9841548	38
24	9.4241563	4589	10·5763026 10·5758437	9 4400363	4937	10.5599637	10.0158800	348	9.9841200	37
25	9.4246147	4584 4579	10.5753853	9.4405295	4932 4927	10.5594705	10.0159148	348 349	9.9840852	35
26	9.4250726	4573	10.5749274	9.4410222	4923	10.5589778	10.0159497	349	9.9840503	34
27	9.4255299	4568	10.5744701	9.4415145	4917	10.5584855	10.0159846	349	9.9840154	33
28 29	9·4259867 9·4264430	4563	10·5740133 10·5735570	9·4420062 9·4424975	4913	10·5579938 10·5575025	10.0160195 10.0160545	350	9°9839805 9°9839455	32
30	9.4268988	4558	10.5731012	9.4429883	4908	10.5570117	10.0160895	350 350	9.9839105	30
31	9.4273541	4553	10.5726459	9.4434786	4903	10.5565214	10.0161245		9 9838755	29
32	9.4278089	4548 4542	10.5721911	9.4439685	4899 4894	10.5560315	10.0161596	351 352	9.9838404	28
33	9.4282631	4538	10.5717369	9.4444579	4889	10.5555421 10.5550532	10.0161948	351	9.9838052	27
34 35	9·4287169 9·4291701	4532	10·5712831 10·5708299	9·4449468 9·4454352	4884	10.5545648	10.0162299 10.0162652	353	9·9837701 9·9837348	26
36	9.4296228	4527	10.5703772	9.4459232	4880	10.5540768	10.0163004	352	9.9836996	24
37	9.4300750	4522	10.5699250	9.4464107	4875	10.5535893	10.0163357	353	9 9836643	23
38	9.4305267	4517 4512	10.5694733	9.4468978	4871 4865	10.5531022	10.0163710	353 354	9.9836290	22
39	9.4309779	4507	10.5690221	9.4473843	4861	10.5526157 10.5521296	10.0164064	354	9.9835936	21
40	9.4314286	4502	10.5685714	9.4478704	4857		10.0164418	355	9.9835582	20
41 42	9·4318788 9·4323285	4497	10.5681212 10.5676715	9·4483561 9·4488413	4852	10.5516439 10.5511587	10.0164773 10.0165128	355	9 · 9835227 9 · 9834872	19
42	9.4327777	4492	10.5672223	9.4493260	4847	10.5506740	10.0165483	355	9.9834517	18
44	9.4332264	4487 4482	10.5667736	9.4498102	4842 4838	10.5501898	10.0165839	356 356	9.9834161	16
45	9.4336746	4477	10.5663254	9.4502940	4834	10.5497060	10.0166195	356	9.9833805	15
46	9.4341223	4471	10.5658777	9.4507774	4828	10.5492226	10.0166551	357	9.9833449	14
47 48	9·4345694 9·4350161	4467	10.5654306 10.5649839	9·4512602 9·4517427	4825	10.5487398 10.5482573	10.0166908 10.0167265	357	9·9833092 9·9832735	13 12
48	9.4354623	4462	10.5645377	9.4522246	4819	10.5477754	10.0167623	358	9.9832377	11
50	9.4359080	4457 4452	10.5640920	9.4527061	4815 4811	10.5472939	10.0167981	358 358	9.9832019	10
51	9.4363532	4448	10.5636468	9.4531872	4806	10.5468128	10.0168339	359	9.9831661	9
52	9.4367980	4442	10.5632020	9.4536678	4801	10.5463322	10:0168698	360	9.9831302	8
53 54	9·4372422 9·4376859	4437	10·5627578 10·5623141	9·4541479 9·4546276	4797	10.5458521 10.5453724	10.0169058 10.0169417	359	9*9830942 9*9830583	8 7 6
55	9.4381292	4433 4427	10.5618708	9.4551069	4793 4788	10.5448931	10.0169777	360 361	9.9830223	5
56	9.4385719	4423	10.5614281	9.4555857	4784	10.5444143	10.0170138	361	9.9829862	4
57	9.4390142	4418	10.5609858	9.4560641	4779	10.5439359	10.0170499	361	9.9829501	3
58 59	9·4394560 9·4398973	4413	10.5605440	9·4565420 9·4570194	4774	10.5434580 10.5429806	10.0170860 10.0171222	362	9·9829140 9·9828778	3 2 1
60	9.4403381	4408	10.5596619	9.4574964	4770	10.5425036	10.0171584	362	9.9828416	ō
00										1
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1

	to Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1 2 3 4 5	9·4403381 9·4407784 9·4412182 9·4416576 9·4420965 9·4425349	4403 4398 4394 4389 4384	10.5596619 10.5592216 10.5587818 10.5583424 10.5579035 10.5574651	9·4574964 9·4579730 9·4584491 9·4589248 9·4594001 9·4598749	4766 4761 4757 4753 4748	10:5425036 10:5420270 10:5415509 10:5410752 10:5405999 10:5401251	10·0171584 10·0171946 10·0172309 10·0172672 10·0173036 10·0173400	362 363 363 364 364	9 9828416 9 9828054 9 9827691 9 9827328 9 9826964 9 9826600	60 59 58 57 56 55
6 7 8 9 10	9·4429728 9·4434103 9·4438472 9·4442837 9·4447197	4379 4375 4369 4365 4360 4356	10.5570272 10.5565897 10.5561528 10.5557163 10.5552803	9·4603492 9·4608232 9·4612967 9·4617697 9·4622423	4743 4740 4735 4730 4726 4722	10·5396508 10·5391768 10·5387033 10·5382303 10·5377577	10·0173764 10·0174129 10·0174494 10·0174860 10·0175226	364 365 365 366 366 366	9·9826236 9·9825871 9·9825506 9·9825140 9·9824774	54 53 52 51 50
11 12 13 14 15	9·4451553 9·4455904 9·4460250 9·4464591 9·4468927	4351 4346 4341 4336 4332	10·5548447 10·5544096 10·5539750 10·5535409 10·5531073	9:4627145 9:4631863 9:4636576 9:4641285 9:4645990	4718 4713 4709 4705 4700	10·5372855 10·5368137 10·5363424 10·5358715 10·5354010	10·0175592 10·0175959 10·0176326 10·0176694 10·0177062	367 367 368 368 369	9·9824408 9·9824041 9·9823674 9·9823306 9·9822938	49 48 47 46 45
16 17 18 19 20 21	9·4473259 9·4477586 9·4481909 9·4486227 9·4490540 9·4494849	4327 4323 4318 4313 4309	10.5526741 10.5522414 10.5518091 10.5513773 10.5509460 10.5505151	9:4650690 9:4655386 9:4660078 9:4664765 9:4669448 9:4674127	4696 4692 4687 4683 4679	10.5349310 10.5344614 10.5339922 10.5335235 10.5330552 10.5325873	10·0177431 10·0177799 10·0178169 10·0178538 10·0178908 10·0179279	368 370 369 370 371	9·9822569 9·9822201 9·9821831 9·9821462 9·9821092 9·9820721	44 43 42 41 40
21 22 23 24 25 26	9·4499153 9·4503452 9·4507747 9·4512037 9·4516322	4304 4299 4295 4290 4285	10 5500847 10 5500847 10 5496548 10 5492253 10 5487963 10 5483678	9·467459 9·4697459	4675 4671 4666 4662 4658	10·5321198 10·5316527 10·5311861 10·5307199 10·5302541	10·01/92/9 10·0179649 10·0180021 10·0180392 10·0180764 10·0181137	370 372 371 372 373	9·9820351 9·9819979 9·9819608 9·9819236 9·9818863	38 37 36 35
27 28 29 30 31	9·4520603 9·4524879 9·4529151 9·4533418 9·4537381	4281 4276 4272 4267 4263	10·5479397 10·5475121 10·5470849 10·5466582 10·5462319	9·4702112 9·4706762 9·4711407 9·4716048 9·4720685	4653 4650 4645 4641 4637	10·5297888 10·5293238 10·5288593 10·5283952 10·5279315	10·0181510 10·0181883 10·0182256 10·0182630 10·0183005	373 373 373 374 375	9·9818490 9·9818117 9·9817744 9·9817370 9·9816995	33 32 31 30 29
32 33 34 35 36	9·4541939 9·4546192 9·4550441 9·4554686 9·4558926	4258 4253 4249 4245 4240	10·5458061 10·5453808 10·5449559 10·5445314 10·5441074	9·4725318 9·4729947 9·4734572 9·4739192 9·4743808	4633 4629 4625 4620 4616	10·5274682 10·5270053 10·5265428 10·5260808 10·5256192	10·0183380 10·0183755 10·0184130 10·0184506 10·0184883	375 375 375 376 377	9·9816620 9·9816245 9·9815870 9·9815494 9·9815117	28 27 26 25 24
37 38 39 40 41	9·4563161 9·4567392 9·4571618 9·4575840 9·4580058	4235 4231 4226 4222 4218	10·5436839 10·5432608 10·5428382 10·5424160 10·5419942	9·4748421 9·4753029 9·4757633 9·4762233 9·4766829	4613 4608 4604 4600 4596	10·5251579 10·5246971 10·5242367 10·5237767 10·5233171	10·0185260 10·0185637 10·0186014 10·0186392 10·0186771	377 377 377 378 379	9·9814740 9·9814363 9·9813986 9·9813608 9·9813229	23 22 21 20 19
42 43 44 45 46	9·4584271 9·458480 9·4592684 9·4596884 9·4601079	4213 4209 4204 4200 4195	10·5415729 10·5411520 10·5407316 10·5403116 10·5398921	9·4771421 9·4776009 9·4780592 9·4785172 9·4789748	4592 4588 4583 4580 4576	10·5228579 10·5223991 10·5219408 10·5214828 10·5210252	10·0187150 10·0187529 10·0187909 10·0188289 10·0188669	379 379 380 380 380	9·9812850 9·9812471 9·9812091 9·9811711 9·9811331	18 17 16 15
47 48 49 50	9·4605270 9·4609456 9·4613638 9·4617816 9·4621989	4191 4186 4182 4178 4173	10·5394730 10·5390544 10·5386362 10·5382184 10·5378011	9·4794319 9·4798887 9·4803451 9·4808011 9·4812566	4571 4568 4564 4560 4555	10·5205681 10·5201113 10·5196549 10·5191989 10·5187434	10·0189050 10·0189431 10·0189813 10·0190195 10·0190577	381 381 382 382 382	9·9810950 9·9810569 9·9810187 9·9809805 9·9809423	13 12 11 10
52 53 54 55 56	9·4626158 9·4630323 9·4634483 9·4638639 9·4642790	4169 4165 4160 4156 4151	10 5373842 10 5369677 10 5365517 10 5361361 10 5357210	9·4817118 9·4821666 9·4826210 9·4830750 9·4835286	4552 4548 4544 4540 4536	10·518/2882 10·5178334 10·5173790 10·5169250 10·5164714	10·0190960 10·0191343 10·0191727 10·0192111 10·0192495	383 383 384 384 384	9·9809040 9·9808657 9·9808273 9·9807889 9·9807505	9 8 7 6 5
57 58 59 60	9·4646938 9·4651081 9·4655219 9·4659353	4148 4143 4138 4134	10 5357210 10 5353062 10 5348919 10 5344781 10 5340647	9·4839818 9·4844346 9·4848870 9·4853390	4532 4528 4524 4520	10·5160182 10·5155654 10·5151130 10·5146610	10·0192880 10·0193265 10·0193651 10·0194037	385 385 386 386	9*9807120 9*9806735 9*9806349 9*9805963	4 3 2 1 0
L'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
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	17 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9.4659353		10.5340647	9.4853390		10.5146610	10.0194037		9.9805963	60
1	9.4663483	4130	10.5336517	9.4857907	4517	10.5142093	10.0194423	386	9.9805577	59
2	9.4667609	4126 4121	10.5332391	9.4862419	4512 4509	10.5137581	10.0194810	387 387	9.9805190	58
3	9.4671730	4118	10.5328270	9.4866928	4505	10.5133072	10.0195197	388	9.9804803	57
4	9.4675848	4112	10.5324152	9.4871433	4500	10.5128567	10.0195585	388	9.9804415	56
5	9.4679960	4109	10.5320040	9.4875933	4497	10.5124067	10.0195973	388	9.9804027	55
6	9.4684069	4104	10.5315931	9.4880430	4494	10.5119570	10.0196361	389	9.9803639	54
7 8	9·4688173 9·4692273	4100	10.5311827 10.5307727	9·4884924 9·4889413	4489	10.5115076 10.5110587	10.0196750 10.0197140	390	9·9803250 9·9802860	53 52
9	9.4696369	4096	10.5303631	9.4893898	4485	10.5106102	10.0197529	389	9.9802471	51
10	9.4700461	4092 4087	10.5299539	9.4898380	4482	10.5101620	10.0197919	390 391	9.9802081	50
11	9.4704548		10.5295452	9.4902858	4478	10.5097142	10.0198310		9.9801690	49
12	9.4708631	4083	10.5291369	9.4907332	4474	10.5092668	10.0198701	391	9.9801299	48
13	9.4712710	4079 4075	10.5287290	9.4911802	4470	10.5088198	10.0199092	391 392	9.9800908	47
14	9.4716785	4073	10.5283215	9.4916269	4467 4462	10.5083731	10.0199484	392	9.9800516	46
15	9.4720856	4066	10.5279144	9.4920731	4459	10.5079269	10.0199876	392	9.9800124	45
16	9.4724922	4063	10.5275078	9.4925190	4456	10.5074810	10.0200268	393	9.9799732	44
17	9.4728985	4058	10.5271015	9.4929646	4451	10.5070354	10.0200661	393	9.9799339	43
18 19	9.4733043 9.4737097	4054	10·5266957 10·5262903	9·4934097 9·4938545	4448	10·5065903 10·5061455	10.0201054 10.0201448	394	9·9798946 9·9798552	42
20	9.4741146	4049	10.5258854	9.4942988	4443	10.5057012	10.0201448	394	9.9798158	40
21	9.4745192	4046	10.5254808	9.4947429	4441	10.5052571	10.0202236	394	9.9797764	39
22	9.4749234	4042	10.5250766	9.4951865	4436	10.5048135	10.0202631	395	9.9797369	38
23	9.4753271	4037	10.5246729	9.4956298	4433	10.5043702	10.0203027	396 395	9.9796973	37
24	9.4757304	4033	10.5242696	9.4960727	4429 4425	10.5039273	10.0203422	396	9.9796578	36
25	9.4761334	4025	10.5238666	9.4965152	4423	10.5034848	10.0203818	397	9.9796182	35
26	9.4765359	4021	10.5234641	9.4969574		10.5030426	10.0204215	397	9.9795785	34
27	9.4769380	4016	10.5230620	9.4973991	4417 4415	10.5026009	10.0204612	397	9.9795388	33
28 29	9.4773396	4013	10·5226604 10·5222591	9·4978406 9·4982816	4410	10.5021594	10.0205009	398	9°9794991 9°9794593	32 31
30	9·4777409 9·4781418	4009	10.5218582	9.4987223	4407	10·5017184 10·5012777	10.0205407 10.0205805	398	9.9794195	30
31		4005			4403			399		29
32	9·4785423 9·4789423	4000	10·5214577 10·5210577	9·4991626 9·4996026	4400	10·5008374 10·5003974	10·0206204 10·0206602	398	9·9793796 9·9793398	28
33	9.4793420	3997	10.5206580	9.5000422	4396	10.4999578	10.0207002	400	9.9792998	27
34	9.4797412	3992 3989	10.5202588	9.5004814	4392	10.4995186	10.0207401	399 401	9.9792599	26
35	9.4801401	3984	10.5198599	9.5009203	4389 4385	10.4990797	10.0207802	400	9.9792198	25
36	9.4805385		10.5194615	9.5013588		10.4986412	10.0208202	401	9.9791798	24
37	9.4809366	3981 3976	10.5190634	9.5017969	4381 4378	10.4982031	10.0208603	401	9.9791397	23
38	9.4813342	3973	10.5186658	9.5022347	4374	10.4977653	10.0209004	402	9.9790996	22 21
39	9·4817315 9·4821283	3968	10·5182685 10·5178717	9·5026721 9·5031092	4371	10·4973279 10·4968908	10.0209406 10.0209808	402	9·9790594 9·9790192	20
		3965			4367			403		1
41 42	9.4825248	3960	10.5174752 10.5170792	9·5035459 9·5039822	4363	10·4964541 10·4960178	10.0210211 10.0210614	403	9·9789789 9·9789386	19 18
43	9.4833165	3957	10.5166835	9.5044182	4360	10.4955818	10.0210014	403	9.9788983	17
44	9.4837117	3952	10.5162883	9.5048538	4356	10.4951462	10.0211421	404 404	9.9788579	16
45	9.4841066	3949 3944	10.5158934	9.5052891	4353 4349	10.4947109	10.0211825	404	9.9788175	15
46	9.4845010		10.5154990	9.5057240		10.4942760	10.0212230	405	9.9787770	14
47	9.4848951	3941 3937	10.5151049	9.5061586	4346 4342	10.4938414	10.0212635	405	9.9787365	13
48	9.4852888	3932	10.5147112	9.5065928	4339	10.4934072	10.0213040	406	9.9786960	12
49 50	9·4856820 9·4860749	3929	10.5143180 10.5139251	9·5070267 9·5074602	4335	10·4929733 10·4925398	10·0213446 10·0213852	406	9·9786554 9·9786148	11 10
1		3925			4331			407		
51 52	9·4864674 9·4868595	3921	10·5135326 10·5131405	9·5078933 9·5083261	4328	10·4921067 10·4916739	10.0214259 10.0214666	407	9·9785741 9·9785334	9
53	9.4872512	3917	10.5127488	9.5087586	4325	10.4912414	10.0214000	407	9.9784927	8 7
54	9.4876426	3914 3909	10.5123574	9.5091907	4321 4317	10.4908093	10.0215481	408 408	9.9784519	6
55	9.4880335	3905	10.5119665	9.5096224	4315	10.4903776	10.0215889	409	9.9784111	5
56	9.4884240	3902	10.5115760	9.5100539	4310	10.4899461	10.0216298	409	9.9783702	4
57	9.4888142	3898	10.5111858	9.5104849	4307	10.4895151	10.0216707	410	9.9783293	3 2
58	9·4892040 9·4895934	3894	10·5107960 10·5104066	9·5109156 9·5113460	4304	10.4890844 10.4886540	10.0217117 10.0217526	409	9·9782883 9·9782474	1
60	9.4893934	3890	10.5104066	9.5113460	4300	10.4882240	10.0217526	411	9.9782474	0
										1
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1'
										1

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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0 1	9·4899824 9·4903710	3886	10·5100176 10·5096290	9·5117760 9·5122057	4297	10·4882240 10·4877943	10·0217937 10·0218347	410	9·9782063 9·9781653	60 59
2	9.4907592	3882	10.5092408	9.5126351	4294 4290	10.4873649	10.0218759	412	9.9781241	58
3	9.4911471	3879 3874	10.5088529	9.5130641	4286	10.4869359	10.0219170	411	9.9780830	57
4	9.4915345	3871	10.5084655	9.5134927	4283	10.4865073	10.0219582	412	9.9780418	56
5	9.4919216	3867	10.5080784	9.5139210	4280	10.4860790	10.0219994	413	9.9780006	55
6	9.4923083	3863	10.5076917	9.5143490	4276	10.4856510	10.0220407	413	9.9779593	54
7	9.4926946	3860	10.5073054	9.5147766	4273	10.4852234	10.0220820	414	9.9779180	53
8	9.4930806	3855	10.5069194	9.5152039	4270	10.4847961	10.0221234	413	9.9778766	52
9	9.4934661	3852	10.5065339	9.5156309	4266	10.4843691	10.0221647	415	9.9778353	51
	9.4938513	3848	10.5061487	9.5160575	4263	10.4839425	10.0222062	415	9.9777938	50
11	9.4942361	3844	10.5057639	9.5164838	4259	10.4835162	10.0222477	415	9.9777523	49
12	9.4946205	3841	10:5053795	9.5169097	4256	10.4830903	10.0222892	415	9.9777108	48
13	9·4950046 9·4953883	3837	10·5049954 10·5046117	9·5173353 9·5177606	4253	10·4826647 10·4822394	10.0223307	416	9.9776693	47
15	9.4957716	3833	10.5042284	9.5181855	4249	10.4818145	10.0223723 10.0224140	417	9·9776277 9·9775860	45
-		3829			4246			416		1 1
16	9:4961545	3825	10·5038455 10·5034630	9.5186101	4243	10.4813899	10.0224556	418	9.9775444	44
18	9·4965370 9·4969192	3822	10.5034630	9·5190344 9·5194583	4239	10.4809656	10.0224974	417	9.9775026	43
19	9.4973010	3818	10.5026990	9.5198819	4236	10·4805417 10·4801181	10·0225391 10·0225809	418	9·9774609 9·9774191	41
20	9.4976824	3814	10.5023176	9.5203052	4233	10.4796948	10.0226228	419	9-9773772	40
21	9.4980635	3811	10.5019365	9.5207282	4230	10.4792718		418		39
22	9.4984442	3807	10.5015558	9.5211508	4226	10.4788492	10.0226646 10.0227066	420	9·9773354 9·9772934	38
23	9.4988245	3803	10.5011755	9.5215730	4222	10.4784270	10.0227485	419	9-9772515	37
24	9.4992045	3800	10.5007955	9.5219950	4220	10.4780050	10.0227905	420	9.9772095	36
25	9.4995840	3795 3793	10.5004160	9.5224166	4216 4213	10.4775834	10.0228326	421 421	9.9771674	35
26	9.4999633		10.5000367	9.5228379		10.4771621	10.0228747		9-9771253	34
27	9.5003421	3788	10.4996579	9.5232589	4210	10.4767411	10.0229168	421	9.9770832	33
28	9.5007206	3785	10.4992794	9.5236795	4206	10.4763205	10.0229590	422	9.9770410	32
29	9.5010987	3781 3777	10.4989013	9.5240999	4204 4200	10.4759001	10.0230012	422 422	9.9769988	31
30	9.5014764	3774	10.4985236	9.5245199	4196	10.4754801	10 0230434	423	9.9769566	30
31	9.5018538		10.4981462	9.5249395		10.4750605	10 0230857		9.9769143	29
32	9.5022308	3770 3767	10.4977692	9.5253589	4194 4190	10.4746411	10 0231280	423 424	9.9768720	28
33	9.5026075	3763	10.4973925	9.5257779	4187	10.4742221	10 0231704	424	9.9768296	27
34	9.5029838	3759	10.4970162	9.5261966	4184	10.4738034	10 )232128	425	9.9767872	26
35	9.5033597	3756	10.4966403	9.5266150	4181	10.4733850	10.0232553	425	9.9767447	25
36	9.5037353	3752	10.4962647	9.5270331	4177	10.4729669	10.0232978	425	9.9767022	24
37	9.5041105	3748	10.4958895	9.5274508	4174	10.4725492	10.0233403	426	9.9766597	23
38	9.5044853	3745	10:4955147	9.5278682	4171	10.4721318	10.0233829	426	9.9766171	22 21
40	9·5048598 9·5052339	3741	10·4951402 10·4947661	9·5282853 9·5287021	4168	10·4717147 10·4712979	10.0234255 10.0234682	427	9·9765745 9·9765318	20
	-	3738			4165			427		
41	9.5056077	3734	10:4943923	9.5291186	4161	10:4708814	10.0235109	427	9.9764891	19
42	9·5059811 9·5063542	3731	10·4940189 10·4936458	9·5295347 9·5299505	4158	10·4704653 10·4700495	10·0235536 10·0235964	428	9·9764464 9·9764036	18 17
44	9.5067269	3727	10.4932731	9.5303661	4156	10.4696339	10 0235904	428	9.9763608	16
45	9.5070992	3723	10.4929008	9.5307813	4152	10.4692187	10.0236821	429	9.9763179	15
46	9.5074712	3720	10.4925288	9.5311961	4148	10.4688039	10.0237250	429	9.9762750	14
47	9.5078428	3716	10.4921572	9.5316107	4146	10.4683893	10.0237679	429	9.9762321	13
48	9.5082141	3713	10.4917859	9.5320250	4143	10.4679750	10.0238109	430	9.9761891	12
49	9.5085850	3709 3706	10.4914150	9.5324389	4139	10.4675611	10.0238539	430	9.9761461	11
50	9.5089556	3702	10.4910444	9.5328526	4133	10.4671474	10.0238970	431	9.9761030	10
51	9.5093258		10.4906742	9.5332659		10.4667341	10.0239401		9.9760599	9
52	9.5096956	3698 3695	10.4903044	9.5336789	4130 4127	10.4663211	10.0239833	432	9.9760167	8 7
53	9.5100651	3692	10.4899349	9.5340916	4124	10.4659084	10.0240264	433	9.9759736	7
54	9.5104343	3688	10.4895657	9.5345040	4121	10.4654960	10.0240697	433	9.9759303	6
55	9.5108031	3685	10.4891969	9.5349161	4117	10.4650839	10.0241130	433	9.9758870	5
56	9.5111716	3681	10.4888284	9.5353278	4115	10.4646722	10.0241563	433	9.9758437	4
57	9.5115397	3677	10.4884603	9.5357393	4112	10.4642607	10.0241996	434	9.9758004	3
58	9.5119074	3675	10:4880926	9.5361505	4108	10:4638495	10:0242430	435	9.9757570	2 1
60	9·5122749 9·5126419	3670	10·4877251 10·4873581	9·5365613 9·5369719	4106	10·4634387 10·4630281	10.0242865 10.0243299	434	9·9757135 9·9756701	0
100	0 0120218		10 4010001	0 0008118		10 1000201	10 0210200		0 8130101	
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
	Cosmo	27111.	2000110	oomis.	27.11.		00000		2.110	
	1									

	To Deg.		1							
	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·5126419	3667	10:4873581	9·5369719	4102	10:4630281	10·0243299	436	9·9756701	60
1	9·5130086	3664	10:4869914	9·5373821	4099	10:4626179	10·0243735	435	9·9756265	59
2	9·5133750	3660	10:4866250	9·5377920	4097	10:4622080	10·0244170	436	9·9755830	58
3	9·5137410	3657	10:4862590	9·5382017	4093	10:4617983	10·0244606	437	9·9755394	57
4	9·5141067	3654	10:4858933	9·5386110	4090	10:4613890	10·0245043	436	9·9754957	56
5	9·5144721	3650	10:4855279	9·5390200	4087	10:4609800	10·0245479	438	9·9754521	55
6	9·5148371	3646	10·4851629	9·5394287	4084	10:4605713	10·0245917	437	9·9754083	54
7	9·5152017	3643	10·4847983	9·5398371	4082	10:4601629	10·0246354	438	9·9753646	53
8	9·5155660	3640	10·4844340	9·5402453	4078	10:4597547	10·0246792	439	9·9753208	52
9	9·5159300	3636	10·4840700	9·5406531	4075	10:4593469	10·0247231	439	9·9752769	51
10	9·5162936	3633	10·4837064	9·5410606	4072	10:4589394	10·0247670	439	9·9752330	50
11	9·5166569	3629	10:4833431	9·5414678	4069	10·4585322	10·0248109	440	9·9751891	49
12	9·5170198	3626	10:4829802	9·5418747	4066	10·4581253	10·0248549	440	9·9751451	48
13	9·5173824	3623	10:4826176	9·5422813	4064	10·4577187	10·0248989	441	9·9751011	47
14	9·5177447	3619	10:4822553	9·5426877	4060	10·4573123	10·0249430	441	9·9750570	46
15	9·5181066	3616	10:4818934	9·5430937	4057	10·4569063	10·0249871	441	9·9750129	45
16	9·5184682	3613	10.4815318	9·5434994	4054	10·4565006	10·0250312	442	9·9749688	44
17	9·5188295	3609	10.4811705	9·5439048	4052	10·4560952	10·0250754	442	9·9749246	43
18	9·5191904	3606	10.4808096	9·5443100	4048	10·4556900	10·0251196	443	9·9748804	42
19	9·5195510	3602	10.4804490	9·5447148	4045	10·4552852	10·0251639	443	9·9748361	41
20	9·5199112	3599	10.4800888	9·5451193	4043	10·4548807	10·0252082	443	9·9747918	40
21	9·5202711	3596	10·4797289	9·5455236	4040	10:4544764	10·0252525	444	9·9747475	39
22	9·5206307	3592	10·4793693	9·5459276	4036	10:4540724	10·0252969	444	9·9747031	38
23	9·5209899	3589	10·4790101	9·5463312	4034	10:4536688	10·0253413	445	9·9746587	37
24	9·5213488	3586	10·4786512	9·5467346	4031	10:4532654	10·0253858	445	9·9746142	36
25	9·5217074	3582	10·4782926	9·5471377	4028	10:4528623	10·0254303	445	9·9745697	35
26	9·5220656	3579	10·4779344	9·5475405	4025	10·4524595	10.0254748	446	9·9745252	34
27	9·5224235	3576	10·4775765	9·5479430	4022	10·4520570	10.0255194	447	9·9744806	33
28	9·5227811	3572	10·4772189	9·5483452	4019	10·4516548	10.0255641	446	9·9744359	32
29	9·5231383	3570	10·4768617	9·5487471	4016	10·4512529	10.0256087	447	9·9743913	31
30	9·5234953	3565	10·4765047	9·5491487	4013	10·4508513	10.0256534	448	9·9743466	30
31	9·5238518	3563	10.4761482	9·5495500	4011	10.4504500	10°0256982	448	9·9743018	29
32	9·5242081	3559	10.4757919	9·5499511	4008	10.4500489	10°0257430	448	9·9742570	28
33	9·5245640	3556	10.4754360	9·5503519	4004	10.4496481	10°0257878	449	9·9742122	27
34	9·5249196	3553	10.4750804	9·5507523	4002	10.4492477	10°0258327	449	9·9741673	26
35	9·5252749	3549	10.4747251	9·5511525	3999	10.4488475	10°0258776	450	9·9741224	25
36	9·5256298	3546	10·4743702	9·5515524	3997	10·4484476	10°0259226	450	9·9740774	24
37	9·5259844	3543	10·4740156	9·5519521	3993	10·4480479	10°0259676	451	9·9740324	23
38	9·5263387	3540	10·4736613	9·5523514	3990	10·4476486	10°0260127	451	9·9739873	22
39	9·5266927	3536	10·4733073	9·5527504	3988	10·4472496	10°0260578	451	9·9739422	21
40	9·5270463	3534	10·4729537	9·5531492	3985	10·4468508	10°0261029	452	9·9738971	20
41	9·5273997	3529	10·4726003	9·5535477	3982	10·4464523	10°0261481	452	9-9738519	19
42	9·5277526	3527	10·4722474	9·5539459	3979	10·4460541	10°0261933	452	9-9738067	18
43	9·5281053	3524	10·4718947	9·5543438	3977	10·4456562	10°0262385	453	9-9737615	17
44	9·5284577	3520	10·4715423	9·5547415	3973	10·4452585	10°0262838	453	9-9737162	16
45	9·5288097	3517	10·4711903	9·5551388	3971	10·4448612	10°0263291	454	9-9736709	15
46	9·5291614	3514	10·4708386	9·5555359	3968	10·4444641	10·0263745	454	9·9736255	14
47	9·5295128	3510	10·4704872	9·5559327	3965	10·4440673	10·0264199	455	9·9735801	13
48	9·5298638	3508	10·4701362	9·5563292	3963	10·4436708	10·0264654	455	9·9735346	12
49	9·5302146	3504	10·4697854	9·5567255	3959	10·4432745	10·0265109	456	9·9734891	11
50	9·5305650	3501	10·4694350	9·5571214	3957	10·4428786	10·0265565	455	9·9734435	10
51	9·5309151	3498	10·4690849	9·5575171	3954	10·4424829	10.0266020	457	9·9733980	9
52	9·5312649	3494	10·4687351	9·5579125	3952	10·4420875	10.0266477	456	9·9733523	8
53	9·5316143	3492	10·4683857	9·5583077	3948	10·4416923	10.0266933	457	9·9733067	7
54	9·5319635	3488	10·4680365	9·5587025	3946	10·4412975	10.0267390	458	9·9732610	6
55	9·5323123	3485	10·4676877	9·5590971	3943	10·4409029	10.0267848	458	9·9732152	5
56 57 58 59 60	9·5326608 9·5330090 9·533569 9·5337044 9·5340517	3482 3479 3475 3473	10·4673392 10·4669910 10·4666431 10·4662956 10·4659483	9·5594914 9·5598854 9·5602792 9·5606727 9·5610659	3940 3938 3935 3932	10·4405086 10·4401146 10·4397208 10·4393273 10·4389341	10.0268306 10.0268764 10.0269223 10.0269682 10.0270142	458 459 459 460	9·9731694 9·9731236 9·9730777 9·9730318 9·9729858	4 3 2 1 0
'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'

_	ZO Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	1.
0 1 2	9·5340517 9·5343986 9·5347452	3469 3466	10·4659483 10·4656014 10·4652548	9·5610659 9·5614588 9·5618515	3929 3927	10.4389341 10.4385412 10.4381485	10.0270142 10.0270602 10.0271062	460 460	9*9729858 9*9729398 9*9728938	60 59 58
3 4 5	9.5350915 9.5354375 9.5357832	3463 3460 3457 3454	10.4649085 10.4645625 10.4642168	9·5622439 9·5626360 9·5630278	3924 3921 3918 3916	10.4377561 10.4373640 10.4369722	10.0271602 10.0271523 10.0271984 10.0272446	461 461 462 462	9·9728477 9·9728016 9·9727554	57 56 55
6 7 8	9·5361286 9·5364737 9·5368184	3451 3447	10·4638714 10·4635263 10·4631816	9·5634194 9·5638107 9·5642018	3913 3911	10.4365806 10.4361893 10.4357982	10·0272908 10·0273371 10·0273834	463 463	9·9727092 9·9726629 9·9726166	54 53 52
9 10 11	9·5371629 9·5375070 9·5378508	3445 3441 3438	10·4628371 10 4624930	9·5645925 9·5649831	3907 3906 3902	10.4354075 10.4350169 10.4346267	10.0274297 10.0274761 10.0275225	463 464 464	9*9725703 9*9725239	51 50 49
12 13 14	9·5381943 9·5385375 9·5388804	3435 3432 3429	10.4621492 10.4618057 10.4614625 10.4611196	9.5653733 9.5657633 9.5661530 9.5665424	3900 3897 3894	10.4342367 10.4338470 10.4334576	10·0275225 10·0275690 10·0276155 10·0276620	465 465 465	9.9724775 9.9724310 9.9723845 9.9723380	48 47 46
15 16	9.5392230	3426 3423 3420	10·4607770 10·4604347	9·5669316 9·5673205	3892 3889 3886	10·4330684 10·4326795	10·0277086 10·0277552	466 466 467	9 <sup>-</sup> 9722914 9 <sup>-</sup> 9722448	45
17 18 19 20	9.5399073 9.5402489 9.5405903 9.5409314	3416 3414 3411	10.4600927 10.4597511 10.4594097 10.4590686	9·5677091 9·5680975 9·5684856 9·5688735	3884 3881 3879	10.4322909 10.4319025 10.4315144 10.4311265	10.0278019 10.0278486 10.0278953 10.0279421	467 467 468	9:9721981 9:9721514 9:9721047 9:9720579	43 42 41 40
21 22 23	9·5412721 9·5416126 9·5419527	3407 3405 3401	10·4587279 10·4583874 10·4580473	9·5692611 9·5696484 9·5700355	3876 3873 3871	10·4307389 10·4303516 10·4299645	10.0279890 10.0280358 10.0280828	469 468 470	9°9720110 9°9719642 9°9719172	39 38 37
24 25	9·5422926 9·5426321	3399 3395 3392	10 4577074 10 4573679	9·5704223 9·5708088	3868 3865 3863	10·4295777 10·4291912	10·0281297 10·0281767	469 470 471	9·9718703 9·9718233	36 35
26 27 28 29	9·5429713 9·5433103 9·5436489 9·5439873	3390 3386 3384	10.4570287 10.4566897 10.4563511 10.4560127	9·5711951 9·5715811 9·5719669 9·5723524	3860 3858 3855	10.4288049 10.4284189 10.4280331 10.4276476	10.0282238 10.0282709 10.0283180 10.0283652	471 471 472	9.9717762 9.9717291 9.9716820 9.9716348	34 33 32 31
30	9·5443253 9·5446630	3380 3377 3375	10·4556747 10·4553370	9·5727377 9·5731227	3853 3850 3847	10·4272623 10·4268773	10·0284124 10·0284596	472 472 473	9·9715876 9·9715404	30 29
32 33 34 35	9:5450005 9:5453376 9:5456745 9:5460110	3371 3369 3365	10.4549995 10.4546624 10.4543255 10.4539890	9·5735074 9·5738919 9·5742761 9·5746601	3845 3842 3840	10.4264926 10.4261081 10.4257239 10.4253399	10.0285069 10.0285543 10.0286016 10.0286491	474 473 475	9·9714931 9·9714457 9·9713984 9·9713509	28 27 26 25
36 37	9·5463472 9·5466832	3362 3360 3357	10·4536528 10·4533168	9·5750438 9·5754272	3837 3834 3832	10·4249562 10·4245728 10·4241896	10.0286965 10.0287440	474 475 476	9·9713035 9·9712560	24 23
38 39 40	9·5470189 9·5473542 9·5476893	3353 3351 3347	10·4529811 10·4526458 10·4523107	9·5758104 9·5761934 9·5765761	3830 3827 3824	10·4238066 10·4234239	10·0287916 10·0288392 10·0288868	476 476 477	9 <sup>.</sup> 9712084 9 <sup>.</sup> 9711608 9 <sup>.</sup> 9711132	22 21 20
41 42 43	9·5480240 9·5483585 9·5486927	3345 3342 3339	10.4519760 10.4516415 10.4513073	9·5769585 9·5773407 9·5777226	3822 3819 3817	10·4230415 10·4226593 10·4222774 10·4218957	10.0289345 10.0289822 10.0290299	477 477 478	9·9710655 9·9710178 9·9709701	19 18 17
44 45 46	9·5490266 9·5493602 9·5496935	3336 3333 3330	10·4509734 10·4506398 10·4503065	9·5781043 9·5784858 9·5788669	3815 3811 3810	10·4215142 10·4211331	10·0290777 10·0291256 10·0291735	479 479 479	9·9709223 9·9708744 9·9708265	16 15 14
47 48 49	9·5500265 9·5503592 9·5506916	3327 3324 3321	10·4499735 10·4496408 10·4493084	9·5792479 9·5796286 9·5800090	3807 3804 3802	10·4207521 10·4203714 10·4199910	10.0292214 10.0292694 10.0293174	480 480 480	9·9707786 9·9707306 9·9706826	13 12 11
50 51 52	9·5510237 9·5513556 9·5516871	3319 3315 3313	10.4489763 10.4486444 10.4483129	9·5803892 9·5807691 9·5811488	3799 3797 3794	10·4196108 10·4192309 10·4188512	10·0293654 10·0294135 10·0294617	481 482 481	9·9706346 9·9705865 9·9705383	10 9 8 7
53 54 55	9·5520184 9·5523494 9·5526801	3310 3307 3304	10.4479816 10.4476506 10.4473199	9·5815282 9·5819074 9·5822864	3792 3790 3787	10.4184718 10.4180926 10.4177136	10·0295098 10·0295581 10·0296063	483 482 483	9·9704902 9·9704419 9·9703937	7 6 5
56 57 58	9.5530105 9.5533406 9.5536704	3301 3298 3295	10.4469895 10.4466594 10.4463296	9·5826651 9·5830435 9·5834217	3784 3782 3780	10·4173349 10·4169565 10·4165783	10·0296546 10·0297030 10·0297514	484 484 484	9·9703454 9·9702970 9·9702486	3 2
59 60	9·5539999 9·5543292	3293	10:4460001 10:4456708	9·5837997 9·5841774	3777	10·4162003 10·4158226	10·0297998 10·0298483	485	9·9702002 9·9701517	1 0
	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	

		ZI Deg.									
i	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
	0 1 2 3 4	9·5543292 9·5546581 9·5549868 9·5553152 9·5556433	3289 3287 3284 3281	10·4456708 10·4453419 10·4450132 10·4446848 10·4443567	9·5841774 9·5845549 9·5849321 9·5853091 9·5856859	3775 3772 3770 3768	10.4158226 10.4154451 10.4150679 10.4146909 10.4143141	10·0298483 10·0298968 10·0299453 10·0299939 10·0300426	485 485 486 487	9·9701517 9·9701032 9·9700547 9·9700061 9·9699574	60 59 58 57 56
	5 6 7 8 9	9·5559711 9·5562987 9·5566259 9·5569529 9·5572796	3278 3276 3272 3270 3267	10·4440289 10·4437013 10·4433741 10·4430471 10·4427204	9·5860624 9·5864386 9·5868147 9·5871904 9·5875660	3765 3762 3761 3757 3756	10·4139376 10·4135614 10·4131853 10·4128096 10·4124340	10.0300913 10.0301400 10.0301888 10.0302376 10.0302864	487 487 488 488 488	9·9699087 9·9698600 9·9698112 9·9697624 9·9697136	55 54 53 52 51
	10 11 12 13	9·5576060 9·5579321 9·5582579 9·5585835	3264 3261 3258 3256 3253	10·4423940 10·4420679 10·4417421 10·4414165	9·5879413 9·5883163 9·5886912 9·5890657	3753 3750 3749 3745 3744	10·4120587 10·4116837 10·4113088 10·4109343	10.0303353 10.0303842 10.0304332 10.0304823	489 489 490 491 490	9·9696647 9·9696158 9·9695668 9·9695177	50 49 48 47
	14 15 16 17 18	9·5589088 9·5592338 9·5595585 9·5598829 9·5602071	3250 3247 3244 3242	10·4410912 10·4407662 10·4404415 10·4401171 10·4397929	9·5894401 9·5898142 9·5901881 9·5905617 9·5909351	3741 3739 3736 3734	10·4105599 10·4101858 10·4098119 10·4094383 10·4090649	10.0305313 10.0305804 10.0306296 10.0306788 10.0307280	491 492 492 492	9·9694687 9·9694196 9·9693704 9·9693212 9•9692720	46 45 44 43 42
	19 20 21 22	9·5605310 9·5608546 9·5611779 9·5615010	3239 3236 3233 3231 3227	10·4394690 10·4391454 10·4388221 10·4384990	9·5913082 9·5916812 9·5920539 9·5924263	3731 3730 3727 3724 3722	10·4086918 10·4083188 10·4079461 10·4075737	10.0307773 10.0308266 10.0308759 10.0309254	493 493 493 495 494	9:9692227 9:9691734 9:9691241 9:9690746	41 40 39 38
	23 24 25 26 27	9.5618237 9.5621462 9.5624685 9.5627904 9.5631121	3225 3223 3219 3217	10·4381763 10·4378538 10·4375315 10·4372096 10·4368879	9·5927985 9·5931705 9·5935423 9·5939138 9·5942851	3720 3718 3715 3713	10·4072015 10·4068295 10·4064577 10·4060862 10·4057149	10.0309748 10.0310243 10.0310738 10.0311234 10.0311730	495 495 496 496	9·9690252 9·9689757 9·9689262 9·9688766 9·96>8270	37 36 35 34 33
	28 29 30 31	9·5634335 9·5637546 9·5640754 9·5643960	3214 3211 3208 3206 3203	10·4365665 10·4362454 10·4359246 10·4356040	9·5946561 9·5950269 9·5953975 9·5957679	3710 3708 3706 3704 3701	10·4053439 10·4049731 10·4046025 10·4042321	10·0312227 10·0312724 10·0313221 10·0313719	497 497 497 498	9·9687773 9·9687276 9·9686779 9·9686281	32 31 30 29
	32 33 34 35 36	9.5647163 9.5650363 9.5653561 9.5656756 9.5659948	3200 3198 3195 3192	10·4352837 10·4349637 10·4346439 10·4343244 10·4340052	9·5961380 9·5965079 9·5968776 9·5972470 9·5976162	3699 3697 3694 3692	10·4038620 10·4034921 10·4031224 10·4027530 10·4023838	10.0314217 10.0314716 10.0315215 10.0315714 10.0316214	499 499 499 500	9·9685783 9·9685284 9·9684785 9·9684286 9·9683786	28 27 26 25 24
	37 38 39 40	9·5663137 9·5666324 9·5669508 9·5672689	3189 3187 3184 3181 3179	10·4336863 10·4333676 10·4330492 10·4327311	9·5979852 9·5983540 9·5987225 9·5990908	3690 3688 3685 3683 3680	10·4020148 10·4016460 10·4012775 10·4009092	10.0316715 10.0317216 10.0317717 10.0318219	501 501 501 502 502	9.9683285 9.9682784 9.9682283 9.9681781	23 22 21 20
I	41 42 43 44 45	9.5675868 9.5679044 9.5682217 9.5685387 9.5688555	3176 3173 3170 3168 3166	10·4324132 10·4320956 10·4317783 10·4314613 10·4311445	9:5994588 9:5998267 9:6001943 9:6005617 9:6009289	3679 3676 3674 3672 3669	10·4005412 10·4001733 10·3998057 10·3994383 10·3990711	10.0318721 10.0319223 10.0319726 10.0320229 10.0320733	502 503 503 504 504	9:9681279 9:9680777 9:9680274 9:9679771 9:9679267	19 18 17 16 15
I	46 47 48 49 50	9·5691721 9·5694883 9·5698043 9·5701200 9·5704355	3162 3160 3157 3155 3151	10·4308279 10·4305117 10·4301957 10·4298800 10·4295645	9·6012958 9·6016625 9·6020290 9·6023953 9·6027613	3667 3665 3663 3660 3658	10·3987042 10·3983375 10·3979710 10·3976047 10·3972387	10.0321237 10.0321742 10.0322247 10.0322753 10.0323259	505 505 506 506 506	9·9678763 9·9678258 9·9677753 9·9677247 9·9676741	14 13 12 11 10
	51 52 53 54 55	9·5707506 9·5710656 9·5713802 9·5716946 9·5720087	3150 3146 3144 3141 3139	10·4292494 10·4289344 10·4286198 10·4283054 10·4279913	9·6031271 9·6034927 9·6038581 9·6042233 9·6045882	3656 3654 3652 3649 3647	10·3968729 10·3965073 10·3961419 10·3957767 10·3954118	10.0323765 10.0324272 10.0324779 10.0325287 10.0325795	507 507 508 508 508	9·9676235 9·9675728 9·9675221 9·9674713 9·9674205	9 8 7 6 5
	56 57 58 59 60	9·5723226 9·5726362 9·5729495 9·5732626 9·5735754	3136 3133 3131 3128	10·4276774 10·4273638 10·4270505 10·4267374 10·4264246	9.6049529 9.6053174 9.6056817 9.6060457 9.6064096	3645 3643 3640 3639	10·3950471 10·3946826 10·3943183 10·3939543 10·3935904	10.0326303 10.0326812 10.0327321 10.0327831 10.0328341	509 509 510 510	9.9673697 9.9673188 9.9672679 9.9672169 9.9671659	4 3 2 1 0
	•	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
											-

	22 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·5735754	3126	10·4264246	9·6064096	3636	10·3935904	10.0328341	511	9·9671659	60
1	9·5738880	3123	10·4261120	9·6067732	3634	10·3932268	10.0328852	511	9·9671148	59
2	9·5742003	3120	10·4257997	9·6071366	3631	40·3928634	10.0329363	512	9·9670637	58
3	9·5745123	3117	10·4254877	9·6074997	3630	10·3925003	10.0329875	511	9·9670125	57
4	9·5748240	3116	10·4251760	9·6078627	3627	10·3921373	10.0330386	513	9·9669614	56
5	9·5751356	3112	10·4248644	9·6082254	3626	10·3917746	10.0330899	513	9·9669101	55
6	9·5754468	3110	10·4245532	9.6085880	3623	10·3914120	10.0331412	513	9-9668588	54
7	9·5757578	3107	10·4242422	9.6089503	3621	10·3910497	10.0331925	513	9-9668075	53
8	9·5760685	3105	10·4239315	9.6093124	3618	10·3906876	10.0332438	514	9-9667562	52
9	9·5763790	3102	10·4236210	9.6096742	3617	10·3903258	10.0332952	515	9-9667048	51
10	9·5766892	3099	10·4233108	9.6100359	3614	10·3899641	10.0333467	515	9-9666533	50
11	9·5769991	3097	10·4230009	9·6103973	3613	10·3896027	10.0333982	515	9°9666018	49
12	9·5773088	3095	10·4226912	9·6107586	3610	10·3892414	10.0334497	516	9°9665503	48
13	9·5776183	3092	10·4223817	9·6111196	3608	10·3888804	10.0335013	516	9°9664987	47
14	9·5779275	3089	10·4220725	9·6114804	3605	10·3885196	10.0335529	517	9°9664471	46
15	9·5782364	3086	10·4217636	9·6118409	3604	10·3881591	10.0336046	517	9°9663954	45
16	9·5785450	3085	10·4214550	9·6122013	3602	10·3877987	10.0336563	517	9·9663437	44
17	9·5788535	3081	10·4211465	9·6125615	3599	10·3874385	10.0337080	518	9·9662920	43
18	9·5791616	3079	10·4208384	9·6129214	3598	10·3870786	10.0337598	518	9·9662402	42
19	9·5794695	3077	10·4205305	9·6132812	3595	10·3867188	10.0338116	519	9·9661884	41
20	9·5797772	3073	10·4202228	9·6136407	3593	10·3863593	10.0338635	519	9·9661365	40
21	9·5800845	3072	10·4199155	9.6140000	3591	10:3860000	10.0339154	520	9°9660846	39
22	9·5803917	3069	10·4196083	9.6143591	3589	10:3856409	10.0339674	520	9°9660326	38
23	9·5806986	3066	10·4193014	9.6147180	3586	10:3852820	10.0340194	521	9°9659806	37
24	9·5810052	3064	10·4189948	9.6150766	3585	10:3849234	10.0340715	521	9°9659285	36
25	9·5813116	3061	10·4186884	9.6154351	3583	10:3845649	10.0341236	521	9°9658764	35
26	9·5816177	3059	10·4183823	9·6157934	3580	10·3842066	10.0341757	522	9·9658243	34
27	9·5819236	3056	10·4180764	9·6161514	3579	10·3838486	10.0342279	522	9·9657721	33
28	9·5822292	3053	10·4177708	9·6165093	3576	10·3834907	10.0342801	522	9·9657199	32
29	9·5825345	3052	10·4174655	9·6168669	3574	10·3831331	10.0343323	524	9·9656677	31
30	9·5828397	3048	10·4171603	9·6172243	3572	10·3827757	10.0343847	523	9·9656153	30
31	9·5831445	3046	10·4168555	9.6175815	3570	10°3824185	10.0344370	524	9.9655630	29
32	9·5834491	3044	10·4165509	9.6179385	3568	10°3820615	10.0344894	524	9.9655106	28
33	9·5837535	3041	10·4162465	9.6182953	3566	10°3817047	10.0345418	525	9.9654582	27
34	9·5840576	3039	10·4159424	9.6186519	3564	10°3813481	10.0345943	525	9.9654057	26
35	9·5843615	3036	10·4156385	9.6190083	3562	10°3809917	10.0346468	526	9.953532	25
36	9·5846651	3034	10·4153349	9·6193645	3560	10·3806355	10.0346994	526	9:9653006	24
37	9·5849685	3031	10·4150315	9·6197205	3557	10·3802795	10.0347520	527	9:9652480	23
38	9·5852716	3029	10·4147284	9·6200762	3556	10·3799238	10.0348047	527	9:9651953	22
39	9·5855745	3026	10·4144255	9·6204318	3554	10·3795682	10.0348574	527	9:9651426	21
40	9·5858771	3024	10·4141229	9·6207872	3551	10·3792128	10.0349101	528	9:9650899	20
41	9·5861795	3021	10·4138205	9.6211423	3550	10·3785577	10.0349629	528	9.9650371	19
42	9·5864816	3019	10·4135184	9.6214973	3547	10·3785027	10.0350157	529	9.9649843	18
43	9·5867835	3016	10·4132165	9.6218520	3546	10·3781480	10.0350686	529	9.9649314	17
44	9·5870851	3014	10·4129149	9.6222066	3543	10·3777934	10.0351215	529	9.9648785	16
45	9·5873865	3011	10·4126135	9.6225609	3541	10·3774391	10.0351744	530	9.9648256	15
46	9·5876876	3009	10·4123124	9·6229150	3540	10·3770850	10·0352274	531	9°9647726	14
47	9·5879885	3007	10·4120115	9·6232690	3537	10·3767310	10·0352805	530	9°9647195	13
48	9·5882892	3004	10·4117108	9·6236227	3536	10·3763773	10·0353335	532	9°9646665	12
49	9·5885896	3001	10·4114104	9·6239763	3533	10·3760237	10·0353867	531	9°9646133	11
50	9·5888897	3000	10·4111103	9·6243296	3531	10·3756704	10·0354398	533	9°9645602	10
51	9·5891897	2996	10·4108103	9·6246827	3529	10·3753173	10.0354931	532	9·9645069	9
52	9·5894893	2995	10·4105107	9·6250356	3528	10·3749644	10.0355463	533	9·9644537	8
53	9·5897888	2992	10·4102112	9·6253884	3525	10·3746116	10.0355996	534	9·9644004	7
54	9·5900880	2989	10·4099120	9·6257409	3523	10·3742591	10.0356530	533	9·9643470	6
55	9·5903869	2987	10·4096131	9·6260932	3522	10·3739068	10.0357063	535	9·9642937	5
56 57 58 59 60	9·5906856 9·5909841 9·5912823 9·5915803 9·5918780	2985 2982 2980 2977	10·4093144 10·4090159 10·4087177 10·4084197 10·4081220	9·6264454 9·6267973 9·6271491 9·6275006 9·6278519	3519 3518 3515 3513	10·3735546 10·3732027 10·3728509 10·3724994 10·3721481	10.0357598 10.0358132 10.0358668 10.0359203 10.0359739	534 536 535 536	9.9642402 9.9641868 9.9641332 9.9640797 9.9640261	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
	1									1

0 1 2 3 4 5	Sine 9.5918780 9.5921755 9.5924728	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
1 2 3 4	9.5921755									
3 4	0.5094798	2975 2973	10·4081220 10·4078245	9·6278519 9·6282031	3512 3509	10·3721481 10·3717969	10·0359739 10·0360276	537 537	9·9640261 9·9639724	60 59
4		2970	10.4075272	9.6285540	3508	10.3714460	10.0360813	537	9.9639187	58 57
	9·5927698 9·5930666	2968	10·4072302 10·4069334	9·6289048 9·6292553	3505	10·3710952 10·3707447	10·0361350 10·0361888	538	9.9638650 9.9638112	56
	9.5933631	2965 2963	10.4066369	9.6296057	3504 3501	10.3703943	10.0362426	538 538	9.9637574	55
6	9.5936594	2961	10.4063406	9.6299558	3500	10.3700442	10.0362964	540	9.9637036	54
7 8	9·5939555 9·5942513	2958	10·4060445 10·4057487	9·6303058 9·6306556	3498	10·3696942 10·3693444	10.0363504 10.0364043	539	9·9636496 9·9635957	53 52
9	9.5945469	2956 2953	10.4054531	9.6310052	3496 3493	10.3689948	10.0364583	540 540	9.9635417	51
10	9.5948422	2951	10.4051578	9.6313545	3492	10.3686455	10.0365123	541	9.9634877	50
11 12	9·5951373 9·5954322	2949	10·4048627 10·4045678	9·6317037 9·6320527	3490	10·3682963 10·3679473	10.0365664 10.0366205	541	9·9634336 9·9633795	49
13	9.5957268	2946 2944	10.4042732	9.6324015	3488 3486	10.3675985	10.0366747	542 542	9.9633253	47
14	9.5960212	2942	10.4039788	9.6327501	3484	10.3672499	10.0367289	543	9.9632711	46
15	9.5963154	2939	10.4036846	9.6330985	3483	10.3669015	10.0367832	543	9.9632168	45
16 17	9·5966093 9·5969030	2937	10·4033907 10·4030970	9.6334468 9.6337948	3480	10·3665532 10·3662052	10.0368375 10.0368918	543	9·9631625 9·9631082	44
18	9.5971965	2935 2932	10.4028035	9.6341426	3478 3477	10.3658574	10.0369462	544 544	9.9630538	42
19 20	9·5974897 9·5977827	2930	10·4025103 10·4022173	9.6344903 9.6348378	3475	10·3655097 10·3651622	10.0370006 10.0370551	545	9·9629994 9·9629449	41
21	9.5980754	2927	10.4019246	9.6351850	3472	10.3648150	10.037098	545	9 9628449	39
22	9.5983679	2925 2923	10.4019246	9.6355321	3471 3469	10.3644679	10.0371696	546 546	9 9628358	38
23	9.5986602	2923	10.4013398	9.6358790	3467	10.3641210	10.0372188	546	9.9627812	37
24 25	9·5989523 9·5992441	2918	10·4010477 10·4007559	9·6362257 9·6365722	3465	10·3637743 10·3634278	10·0372734 10·0373281	547	9·9627266 9·9626719	36
26	9.5995357	2916	10.4004643	9.6369185	3463	10.3630815	10.0373828	547	9.9626172	34
27	9.5998270	2913 2911	10.4001730	9.6372646	3461 3460	10.3627354	10.0374376	548 548	9.9625624	33
28 29	9·6001181 9·6004090	2909	10·3998819 10·3995910	9·6376106 9·6379563	3457	10·3623894 10·3620437	10.0374924 10.0375473	549	9·9625076 9·9624527	32
30	9.6006997	2907 2904	10.3993003	9.6383019	3456 3454	10.3616981	10.0376022	549 550	9.9623978	30
31	9.6009901	2902	10.3990099	9.6386473	3452	10.3613527	10.0376572	550	9.9623428	29
32 33	9·6012803 9·6015703	2900	10·3987197 10·3984297	9.6389925	3450	10.3610075	10.0377122	550	9·9622878 9·9622328	28 27
34	9.6013600	2897	10.3981400	9·6393375 9·6396823	3448	10·3606625 10·3603177	10.0377672 10.0378223	551	9.9621777	26
35	9.6021495	2895 2893	10.3978505	9.6400269	3446 3445	10.3599731	10.0378774	551 552	9.9621226	25
36	9.6024388	2890	10.3975612	9.6403714	3442	10.3596286	10.0379326	552	9.9620674	24
37 38	9·6027278 9·6030166	2888	10·3972722 10·3969834	9·6407156 9·6410597	3441	10·3592844 10·3589403	10.0379878 10.0380431	553	9·9620122 9·9619569	23 22
39	9.6033052	2886 2884	10.3966948	9.6414036	3439 3437	10.3585964	10.0380984	553 553	9.9619016	21
40	9.6035936	2881	10:3964064	9.6417473	3435	10.3582527	10.0381537	554	9.9618463	20
41 42	9·6038817 9·6041696	2879	10·3961183 10·3958304	9·6420908 9·6424342	3434	10·3579092 10·3575658	10.0382091 10.0382645	554	9.9617909 9.9617355	19
43	9.6044573	2877 2875	10.3955427	9.6427773	3431 3430	10.3572227	10.0383200	555 555	9.9616800	17
44	9.6047448	2872	10.3952552	9.6431203	3428	10.3568797	10.0383755	556	9.9616245	16
45	9.6050320	2870	10:3949680	9.6434631	3426	10.3565369	10.0384311	556	9.9615689	15
46 47	9·6053190 9·6056057	2867	10·3946810 10·3943943	9.6438057 9.6441481	3424	10·3561943 10·3558519	10.0384867 10.0385424	557	9°9615133 9°9614576	14
48	9.6058923	2866 2863	10.3941077	9.6444903	3422 3421	10.3555097	10.0385980	556 558	9.9614020	12
49 50	9·6061786 9·6064647	2861	10·3938214 10·3935353	9·6448324 9·6451743	3419	10·3551676 10·3548257	10.0386538 10.0387096	558	9°9613462 9°9612904	11 10
51	9.6067506	2859	10 3933333	9.6455160	3417	10.3544840	10.0387654	558	9.9612346	9
52	9.6070362	2856 2854	10.3929638	9.6458575	3415 3413	10.3541425	10.0388213	559 559	9.9611787	8 7
53	9.6073216	2852	10:3926784	9.6461988	3412	10·3538012 10·3534600	10.0388772 10.0389332	560	9·9611228 9·9610668	6
54 55	9.6076068 9.6078918	2850 2847	10·3923932 10·3921082	9·6465400 9·6468810	3410 3407	10 3534000	10.0389892	560 560	9.9610108	5
56	9.6081765	2846	10.3918235	9.6472217	3407	10.3527783	10.0390452	561	9.9609548	4
57	9.6084611	2846	10.3915389	9.6475624	3407	10.3524376	10:0391013	561	9.9608987	3 2 1
58 59	9·6087454 9·6090294	2840	10·3912546 10·3909706	9·6479028 9·6482431	3403	10·3520972 10·3517569	10.0391574 10.0392136	562	9·9608426 9·9607864	1
60	9.6093133	2839	10.3906867	9.6485831	3400	10:3514169	10.0392698	562	9.9607302	0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
	Cosme	Din.	Бесант	Cottang.	Din.	rang.	Cuscu.	D.	Sino	

,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	'
0	9.6093133		10.3906867	9.6485831		10.3514169	10.0392698	***	9.9607302	60
ĭ	9.6095969	2836	10.3904031	9.6489230	3399	10.3510770	10.0393261	563	9.9606739	59
2	9.6098803	2834	10.3901197	9.6492628	3398	10.3507372	10.0393824	563	9.9606176	58
3	9.6101635	2832	10.3898365	9.6496023	3395	10.3503977	10.0394388	564	9.9605612	57
4	9.6104465	2830 2828	10.3895535	9.6499417	3394 3392	10.3500583	10.0394952	564 564	9.9605048	56
5	9.6107293	2825	10.3892707	9.6502809	3390	10.3497191	10.0395516	565	9.9604484	55
6	9.6110118	2823	10.3889882	9.6506199		10.3493801	10.0396081	565	9.9603919	54
7	9.6112941	2823	10.3887059	9.6509587	3388 3387	10.3490413	10.0396646	566	9.9603354	53
8	9.6115762	2818	10.3884238	9.6512974	3385	10.3487026	10.0397212	566	9.9602788	52
9	9.6118580	2817	10.3881420	9.6516359	3383	10.3483641	10.0397778	567	9.9602222	51
10	9.6121397	2814	10.3878603	9.6519742	3381	10.3480258	10.0398345	567	9.9601655	50
11	9.6124211	2812	10.3875789	9.6523123	3380	10.3476877	10.0398912	568	9.9601088	49
12	9.6127023	2810	10.3872977	9.6526503	3378	10.3473497	10.0399480	568	9.9600520	48
13	9.6129833	2808	10.3870167	9.6529881	3376	10.3470119	10.0400048	568	9-9599952	47
14	9.6132641	2805	10.3867359	9.6533257	3374	10:3466743	10.0400616	569	9.9599384	46
15	9.6135446	2804	10.3864554	9.6536631	3373	10.3463369	10.0401185	569	9-9598815	45
16	9.6138250	2801	10.3861750	9.6540004	3371	10:3459996	10.0401754	570	9 9598246	44
17	9.6141051	2799	10.3858949	9.6543375	3369	10:3456625	10.0402324	570	9.9597676	43
18	9.6143850	2797	10:3856150	9.6546744	3368	10:3453256	10.0402894	571	9.9597106	42
19	9.6146647	2794	10.3853353	9.6550112	3365	10:3449888	10.0403465	571	9.9596535	41
20	9.6149441	2793	10.3850559	9.6553477	3364	10.3446523	10.0404036	571	9.9595964	40
21	9.6152234	2790	10.3847766	9.6556841	3363	10.3443159	10.0404607	572	9.9595393	39
22	9.6155024	2788	10:3844976	9.6560204	3360	10:3439796	10.0405179	573	9.9594821	38
23	9.6157812	2787	10:3842188	9.6563564	3359	10:3436436	10:0405752	573	9.9594248	37
24	9.6160599	2783	10·3839401 10·3836618	9.6566923	3357	10·3433077 10·3429720	10.0406325	573	9.9593675	36
25	9.6163382	2782		9.6570280	3356		10.0406898	574	9.9593102	35
26	9.6166164	2780	10.3833836	9.6573636	3353	10.3426364	10.0407472	574	9.9592528	34
27	9.6168944	2777	10.3831056	9.6576989	3352	10.3423011	10.0408046	574	9.9591954	33
28	9.6171721	2775	10:3828279	9.6580341	3351	10:3419659	10.0408620	575	9.9591380	32
29 30	9.6174496	2774	10·3825504 10·3822730	9.6583692	3349	10·3416308 10·3412959	10.0409195	576	9.9590805	31
	9.6177270	2771		9.6587041	3346		10.0409771	576	9.9590229	30
31	9.6180041	2768	10.3819959	9.6590387	3346	10.3409613	10.0410347	576	9.9589653	29
32	9.6182809	2767	10.3817191	9.6593733	3343	10.3406267	10.0410923	577	9.9589077	28
33	9.61:35576	2765	10:3814424	9.6597076	3342	10.3402924	10:0411500	577	9.9588500	27
34	9.6188341	2762	10·3811659 10·3808897	9.6600418 9.6603758	3340	10·3399582 10·3396242	10.0412077 10.0412655	578	9.9587923	26 25
	9.6191103	2761			3339			578	9.9587345	
36	9.6193864	2758	10.3806136	9.6607097	3337	10.3392903	10.0413233	579	9-9586767	24
37	9.6196622	2756	10.3803378	9.6610434	3335	10.3389566	10.0413812	579	9.9586188	23
38	9.6199378	2754	10.3800622	9.6613769	3334	10.3386231	10:0414391	579	9.9585609	22
40	9.6202132	2752	10.3797868	9.6617103	3331	10:3382897	10:0414970	580	9.9585030	21
	9.6204884	2750	10.3795116	9.6620434	3331	10.3379566	10.0415550	581	9.9584450	20
41	9.6207634	2748	10.3792366	9.6623765	3328	10.3376235	10.0416131	581	9.9583869	19
42 43	9.6210382	2745	10.3789618	9.6627093	3327	10.3372907	10.0416712	581	9.9583288	18
44	9·6213127 9·6215871	2744	10·3786873 10·3784129	9·6630420 9·6633745	3325	10·3369580 10·3366255	10.0417293	582	9.9582707	17
45	9.6218612	2741	10.3781388	9.6637069	3324	10.3362931	10.0417875 10.0418457	582	9°9582125 9°9581543	16
		2739			3322			582		
46	9.6221351	2737	10.3778649	9.6640391	3320	10.3359609	10.0419039	583	9.9580961	14
47	9·6224088 9·6226824	2736	10.3775912	9·6643711 9·6647030	3319	10.3356289	10:0419622	584	9.9580378	13 12
49	9.6229557	2733	10·3773176 10·3770443	9.6650346	3316	10.3352970 10.3349654	10.0420206 10.0420790	584	9·9579794 9·9579210	11
50	9.6232287	2730	10.3767713	9.6653662	3316	10 3346338	10.0420790	584	9.9578626	10
51	9.6235016	2729	10.3764984	9.6656975	3313	10.3343025		585		
52	9.6235016	2727	10.3764984	9.6660288	3313	10.3343025	10.0421959 10.0422544	585	9.9578041	9
53	9.6240468	2725	10.3759532	9.6663598	3310	10.3336402	10.0423130	586	9·9577456 9·9576870	8 7
54	9.6243190	2722	10.3756810	9.6666907	3309	10.3333093	10.0423716	586	9.9576284	6
55	9.6245911	2721	10.3754089	9.6670214	3307	10.3329786	10.0424303	587	9.9575697	5
56	9.6248629	2718	10:3751371	9.6673519	3305	10.3326481	10.0424890	587	9-9575110	4
57	9.6251346	2717	10 3748654	9.6676823	3304	10.3323177	10.0424880	588	9.9574522	3
58	9.6254060	2714	10.3745940	9.6680126	3303	10.3319874	10.0426066	588	9.9573934	2
59	9.6256772	2712	10.3743228	9.6683426	3300	10.3316574	10.0426654	588	9.9573346	ī
60	9.6259483	2711	10.3740517	9.6686725	3299	10.3313275	10.0427243	589	9-9572757	ō
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
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_	20 Deg.						-			
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·6259483 9·6262191	2708	10·3740517 10·3737809	9·6686725 9·6690023	3298	10·3313275 10·3309977	10.0427243 10.0427832	589	9·9572757 9·9572168	60 59
2	9.6264897	2706 2704	10.3735103	9.6693319	3296 3294	10.3306681	10.0428422	590 590	9.9571578	58
3	9.6267601	2702	10.3732399	9.6696613	3293	10.3303387	10.0429012	591	9.9570988	57
5	9·6270303 9·6273003	2700 2698	10·3729697 10·3726997	9·6699906 9·6703197	3291 3289	10·3300094 10·3296803	10.0429603 10.0430194	591 591	9·9570397 9·9569806	56 55
6	9.6275701	2696	10.3724299	9.6706486	3288	10.3293514	10 0430785	592	9.9569215	54
8	9·6278397 9·6281090	2693	10·3721603 10·3718910	9.6709774 9.6713060	3286	10·3290226 10·3286940	10.0431377 10.0431970	593	9·9568623 9·9568030	53 52
9	9.6283782	2692 2690	10.3716218	9.6716345	3285 3283	10.3283655	10.0432563	593 593	9.9567437	51
10	9.6286472	2688	10.3713528	9.6719628	3282	10.3280372	10.0433156	594	9.9566844	50
11 12	9.6289160 9.6291845	2685	10·3710840 10·3708155	9·6722910 9·6726190	3280	10·3277090 10·3273810	10.0433750 10.0434344	594	9.9566250 9.9565656	49
13	9.6294529	2684 2682	10.3705471	9.6729468	3278 3277	10.3270532	10.0434939	595 595	9.9565061	47
14	9.6297211	2679	10.3702789	9.6732745	3275	10.3267255	10.0435534	596	9.9564466	46
1	9.6299890	2678	10.3700110	9.6736020	3274	10.3263980	10:0436130	596	9.9563870	45
16	9.6302568 9.6305243	2675	10·3697432 10·3694757	9·6739294 9·6742566	3272	10·3260706 10·3257434	10.0436726 10.0437322	596	9·9563274 9·9562678	44 43
18	9.6307917	2674 2672	10.3692083	9.6745836	3270 3269	10.3254164	10.0437919	597 598	9.9562081	42
19 20	9.6310589	2669	10:3689411	9.6749105	3267	10·3250895 10·3247628	10.0438517 10.0439114	597	9.9561483 9.9560886	41
	9.6313258	2668	10.3686742	9.6752372	3266			599		40
21 22	9·6315926 9·6318591	2665	10·3684074 10·3681409	9·6755638 9·6758903	3265	10·3244362 10·3241097	10.0439713 10.0440311	598	9·9560287 9·9559689	39
23	9.6321255	2664 2661	10.3678745	9.6762165	3262 3261	10.3237835	10.0440911	600 599	9.9559089	37
24	9.6323916	2660	10.3676084	9.6765426	3260	10.3234574	10:0441510	600	9.9558490	36
25	9.6326576	2657	10.3673424	9.6768686	3258	10.3231314	10.0442110	601	9-9557890	35
26 27	9·6329233 9·6331889	2656	10·3670767 10·3668111	9·6771944 9·6775201	3257	10·3228056 10·3224799	10.0442711 10.0443312	601	9·9557289 9·9556688	34
28	9.6334542	2653 2652	10.3665458	9.6778456	3255 3253	10.3221544	10.0443913	601 602	9.9556087	32
30	9·6337194 9·6339844	2650	10·3662806 10·3660156	9.6781709	3252	10·3218291 10·3215039	10.0444515 10.0445118	603	9 · 9555485 9 · 9554882	31 30
31	9 6342491	2647	10.3657509	9·6784961 9·6788211	3250	10.3211789	10.0445720	602	9.9554280	29
32	9.6345137	2646	10 3654863	9.6791460	3249	10.3208540	10.0446324	604	9.9553676	28
33	9.6347780	2643 2642	10.3652220	9.6794708	3248 3245	10.3205292	10.0446927	603 604	9.9553073	27
34	9.6350422 9.6353062	2640	10·3649578 10·3646938	9·6797953 9·6801198	3245	10·3202047 10·3198802	10.0447531 10.0448136	605	9 · 9552469 9 · 9551864	26 25
36	9.6355699	2637	10.3644301	9.6804440	3242	10.3195560	10.0448741	605	9.9551259	24
37	9.6358335	2636 2634	10.3641665	9.6807682	3242 3239	10.3192318	10.0449347	606 606	9.9550653	23
38	9.6360969	2632	10.3639031	9.6810921	3239	10·3189079 10·3185840	10.0449953	606	9.9550047	22 21
40	9·6363601 9·6366231	2630 2628	10·3636399 10·3633769	9.6814160 9.6817396	3236 3236	10.3182604	10.0450559 10.0451166	607 607	9:9549441 9:9548834	20
41	9.6368859	2625	10.3631141	9.6820632	3233	10.3179368	10.0451773	608	9.9548227	19
42	9.6371484	2624	10.3628516	9.6823865	3233	10:3176135	10.0452381	608	9.9547619	18
43	9.6374108	2623	10·3625892 10·3623269	9·6827098 9·6830328	3230	10·3172902 10·3169672	10.0452989 10.0453598	609	9·9547011 9·9546402	16
45	9.6379351	2620 2618	10.3620649	9.6833557	3229 3228	10.3166443	10.0454207	609	9.9545793	15
46	9.6381969	2616	10.3618031	9.6836785	3226	10.3163215	10.0454816	610	9.9545184	14
47	9.6384585	2614	10·3615415 10·3612801	9.6840011 9.6843236	3225	10·3159989 10·3156764	10.0455426	611	9·9544574 9·9543963	13 12
49	9.6389812	2613	10.3610188	9.6846459	3223	10.3153541	10.0456037 10.0456648	611	9.9543352	11
50	9.6392422	2610 2608	10.3607578	9.6849681	$\frac{3222}{3220}$	10.3150319	10.0457259	611 612	9.9542741	10
51 52	9·6395030 9·6397637	2607	10.3604970 10.3602363	9.6852901	3219	10:3147099	10:0457871	612	9.9542129	9 8 7
53	9.6400241	2604	10.3599759	9.6856120 9.6859338	3218	10.3143880 10.3140662	10.0458483 10.0459096	613	9·9541517 9·9540904	7
54	9.6402844	2603 2601	10.3597156	9.6862553	3215 3215	10.3137447	10.0459709	613 614	9.9540291	6 5
55	9.6405445	2599	10.3594555	9.6865768	3213	10.3134232	10.0460323	614	9.9539677	
56 57	9.6408044	2596	10·3591956 10·3589360	9.6868981 9.6872192	3211	10·3131019 10·3127808	10.0460937 10.0461552	615	9·9539063 9·9538448	3
58	9.6413235	2595 2593	10.3586765	9.6875402	3210 3209	10.3124598	10.0462167	615 615	9.9537833	2
59 60	9.6415828 9.6418420	2592	10·3584172 10·3581580	9·6878611 9·6881818	3207	10·3121389 10·3118182	10.0462782 10.0463398	616	9·9537218 9·9536602	3 2 1 0
1,		D:ee			D:00			-		,
	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	

										26 Deg.	
1 9-94321009	osine /	Cosi	D.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	,
6 9-6436926 2578 10-3566074 9-6901030	535985 59 535369 58 534751 57 534134 56	9·9535 9·9535 9·9534 9·9534	616 618 617 619	10.0464015 10.0464631 10.0465249 10.0465866	10.3114977 10.3111773 10.3108570 10.3105369	3204 3203 3201 3200	9.6885023 9.6888227 9.6891430 9.6894631	10·3578991 10·3576404 10·3573818 10·3571235	2587 2586 2583 2582	9.6421009 9.6423596 9.6426182 9.6428765	1 2 3 4
11	32278 53 31658 53 31038 5	9·9532 9·9531 9·9531	619 620 620 620	10.0467722 10.0468342 10.0468962	10·3095774 10·3092578 10·3089384	3196 3196 3194 3193	9·6904226 9·6907422 9·6910616	10.3563496 10.3560920 10.3558346	2578 2576 2574 2572	9·6436504 9·6439080 9·6441654	7 8 9
16	529175   48 528553   4 527931   4	9.9529 9.9528 9.9527	622 622 622 623	10.0470825 10.0471447 10.0472069	10·3079811 10·3076622 10·3073435	3189 3189 3187 3185	9.6920189 9.6923378 9.6926565	10.3550635 10.3548069 10.3545504	2569 2566 2565 2562	9·6449365 9·6451931 9·6454496	12 13 14
21   9-6472945   2546   10-3522508   9-6958358   3176   10-3047991   10-0476438   626   9-952238   24   9-6485088   2544   10-351962   9-695835   3172   10-3044817   10-0477690   627   9-952231   259   9-6482582   2542   10-35194718   9-6961627   3170   10-3047891   628   9-952231   3172   10-3041645   10-0478317   628   9-952231   3172   10-3041645   10-0478317   628   9-952231   3172   10-3041645   10-0478317   628   9-952108   3172   10-3041645   10-0478317   628   9-952108   3172   10-3041645   10-0478317   628   9-952108   3172   10-3041645   10-0478317   628   9-952108   3172   10-3041645   10-0478317   629   9-952108   3172   10-3041645   10-0478317   629   9-952108   3172   10-3041645   3172   317	526061 4: 525437 4: 524813 4:	9.9526 9.9525 9.9524	624 624 624 625	10.0473939 10.0474563 10.0475187	10·3063883 10·3060702 10·3057522	3183 3181 3180 3178	9·6936117 9·6939298 9·6942478	10·3537822 10·3535265 10·3532710	2559 2557 2555 2554	9.6462178 9.6464735 9.6467290	17 18 19
26	522936   35 522310   35 521683   36	9·9522 9·9522 9·9521	626 626 627 628	10.0477064 10.0477690 10.0478317	10·3047991 10·3044817 10·3041645	3176 3174 3172 3172	9.6952009 9.6955183 9.6958355	10·3525055 10·3522508 10·3519962	2550 2547 2546 2544	9·6474945 9·6477492 9·6480038	22 23 24
31	519799   3 519171   3 518541   3	9·9519 9·9519 9·9518	628 630 629	10.0480201 10.0480829 10.0481459	10·3032135 10·3028968 10·3025802	3168 3167 3166 3165	9.6967865 9.6971032 9.6974198	10·3512335 10·3509797 10·3507260	2538 2537 2534	9.6487665 9.6490203 9.6492740	27 28 29
36         9:6510444         25:22         10:348956         9:6996320         3154         10:3003680         10:0485876         632         9:951343           38         9:6515486         25:0         10:3484514         9:7002628         3154         10:20997372         10:0487142         634         9:951343           39         9:6512684         25:17         10:3484514         9:7002628         3150         10:29997372         10:0487142         634         9:951283           41         9:6523035         25:13         10:3476965         9:7015227         3150         10:2999707         10:0489744         634         9:9511283           42         9:6523054         25:11         10:3476452         9:7015227         3147         10:2987070         10:0489044         634         9:9511083           43         9:6523058         25:01         10:3474941         9:701827         3147         10:2984773         10:0489044         636         9:951008           45         9:6530568         25:00         10:346932         9:7021519         3145         10:2997837         10:0499051         635         9:950948           46         9:6535581         25:03         10:3469194         9:7027805         3141	516651 2 516020 2 515389 2	9.9516 9.9516 9.9515	631 631 631 632	10.0483349 10.0483980 10.0484611	10·3016313 10·3013153 10·3009994	3161 3160 3159 3158	9.6983687 9.6986847 9.6990006	10·3499662 10·3497132 10·8494605	2531 2530 2527 2525	9.6500338 9.6502868 9.6505395	32 33 34
41   9-6523055   2513   10-3474655   9-7015227   3147   10-2987920   10-0489644   69-552548   2511   10-3471941   9-7015227   3147   10-2981626   10-0490315   636   9-951033   44   9-6539075   2506   10-3469432   9-7021519   3144   10-2978481   10-0490315   637   9-950908   646   9-6535581   2508   10-346419   9-7027805   3144   10-2978481   10-0490315   637   9-950978   647   9-653908   2500   10-3469419   9-7039946   3142   10-2978481   10-0490255   637   9-950778   648   9-6549586   2500   10-346914   9-70394086   3140   10-2906904   10-0492862   637   9-950778   649   9-6549586   2500   10-345914   9-7034986   3140   10-2906904   10-0492862   638   9-950698   649   9-6545584   2498   10-3454916   9-7043287   3145   10-2972195   10-04942862   638   9-950685   650   9-6545584   2498   10-3454916   9-7043827   3135   10-2956388   10-0496066   638   9-950628	513492 2 512858 2 512224 2	9.9513 9.9512 9.9512	632 634 634 634	10.0486508 10.0487142 10.0487776	10·3000526 10·2997372 10·2994220	3154 3154 3152 3150	9·6999474 9·7002628 9·7005780	10·3487034 10·3484514 10·3481996	2522 2520 2518 2517	9.6512966 9.6515486 9.6518004	37 38 39
46	510320 1 509685 1 509049 1	9.9510 9.9509 9.9509	636 635 636 637	10.0489680 10.0490315 10.0490951	10·2984773 10·2981626 10·2978481	3147 3147 3145 3144	9·7015227 9·7018374 9·7021519	10·3474452 10·3471941 10·3469432	2513 2511 2509 2507	9.6525548 9.6528059 9.6530568	42 43 44
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	507138   1 506500   1 505861   1	9 • 9507 9 • 9506 9 • 9505	637 638 639 638	10.0492225 10.0492862 10.0493500 10.0494139	10·2969054 10·2965914 10·2962775	3141 3140 3139 3137	9·7030946 9·7034086 9·7037225	10:3461916 10:3459414 10:3456914	2503 2502 2500 2498	9.6538084 9.6540586 9.6543086	47 48 49
56         9·6560586         2485         10·3439464         9·7059156         3128         10·2940844         10·0498620         642         9·950138           57         9·6565505         2484         10·34346979         9·7062294         3128         10·2937716         10·0499262         642         9·950073           59         9·6565505         2482         10·34349113         9·7065258         3128         10·2934590         10·0499905         643         9·9500073           59         9·6567987         2482         10·3434913         9·7065258         3128         10·2934590         10·0499905         643         9·9500073	503944 503303 502663	9*9508 9*9508 9*9502	639 641 640 641	10.0496056 10.0496697 10.0497337	10·2953368 10·2950235 10·2947103	3135 3133 3132 3130	9·7046632 9·7049765 9·7052897	10·3449425 10·3446932 10·3444441	2494 2493 2491 2489	9.6550575 9.6553068 9.6555559	52 53 54
60 9.6570468 2481 10.3429532 9.7071659 3124 10.2928341 10.0501191 643 9.949880	500738 500095 499452	9.9500 9.9500 9.9499	642 643	10.0499262 10.0499905 10.0500548	10·2937716 10·2934590 10·2931465	3128 3126	9·7062284 9·7065410 9·7068535	10·3436979 10·3434495 10·3432013	2485 2484	9.6563021 9.6565505 9.6567987	57 58 59
Cosine Diff. Secant Cotang. Diff. Tang. Cosec. D. Sine	Sine /	Sin	D.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	1

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1 1										
1	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
0	9.6570468	0.470	10.3429532	9.7071659	3122	10.2928341	10.0501191	644	9.9498809	60
ĭ	9.6572946	2478 2477	10.3427054	9.7074781	3122	10.2925219	10.0501835	644	9.9498165	59
2	9.6575423	2475	10.3424577	9.7077902	3120	10.2922098	10.0502479	645	9.9497521	58
3	9.6577898	2473	10.3422102	9.7081022	3119	10.2918978	10.0503124	646	9.9496876	57
4	9.6580371	2471	10:3419629	9.7084141	3117	10.2915859	10.0503770	645	9.9496230	56
5	9.6582842	2470	10.3417158	9.7087258	3116	10.2912742	10.0504415	647	9.9495585	
6	9.6585312	2468	10.3414688	9.7090374	3114	10.2909626	10.0505062	646	9.9494938	54
7	9.6587780	2466	10.3412220	9.7093488	3113	10.2906512	10.0505708	647	9.9494292	53
8 9	9.6590246 9.6592710	2464	10·3409754 10·3407290	9·7096601 9·7099713	3112	10·2903399 10·2900287	10.0506355 10.0507003	648	9·9493645 9·9492997	52
10	9.6595173	2463	10 3404827	9.7102824	3111	10.2897176	10.0507651	648	9.9492349	50
		2460			3109			649		
11	9.6597633	2460	10.3402367	9.7105933	3108	10.2894067	10.0508300	649	9.9491700	49
12 13	9.6600093	2457	10·3399907 10·3397450	9·7109041 9·7112148	3107	10.2890959 10.2887852	10.0508949 10.0509598	649	9.9491051 9.9490402	48
14	9.6605005	2455	10.3394995	9.7115254	3106	10.2884746	10.0510248	650	9.9489752	46
15	9.6607459	2454	10.3392541	9.7118358	3104 3103	10.2881642	10.0510899	651	9.9489101	45
16	9.6609911	2452	10.3390089	9.7121461		10.2878539	10.0511550	651	9-9488450	44
17	9.6612361	2450	10.3387639	9.7124562	3101	10.2875438	10.0512201	651	9.9487799	43
18	9.6614810	2449	10.3385190	9.7127662	3100	10.2872338	10.0512853	652	9.9487147	42
19	9.6617257	2447	10.3382743	9.7130761	3099 3098	10.2869239	10.0513505	652 653	9.9486495	41
20	9.6619702	2445 2443	10:3380298	9.7133859	3097	10.2866141	10.0514158	653	9.9485842	40
21	9.6622145		10.3377855	9.7136956	3095	10.2863044	10.0514811		9.9485189	39
22	9.6624586	2441	10.3375414	9.7140051	3094	10.2859949	10.0515465	654 654	9.9484535	38
23	9.6627026	2440 2438	10.3372974	9.7143145	3092	10.2856855	10.0516119	654	9.9483881	37
24	9.6629464	2436	10.3370536	9.7146237	3092	10.2853763	10.0516773	655	9.9483227	36
25	9.6631900	2435	10.3368100	9.7149329	3090	10.2850671	10.0517428	656	9.9482572	35
26	9.6634335	2433	10.3365665	9.7152419	3089	10.2847581	10.0518084	656	9.9481916	34
27	9.6636768	2431	10.3363232	9.7155508	3087	10.2844492	10.0518740	656	9.9481260	33
28	9.6639199	2429	10.3360801	9.7158595	3087	10.2541405	10.0519396	657	9.9480604	32
29 30	9.6641628	2428	10·3358372 10·3355944	9·7161682 9·7164767	3085	10·2838318 10·2835233	10.0520053 10.0520711	658	9·9479947 9·9479289	31 30
	9.6644056	2426			3084			658		
31	9.6646482	2424	10:3353518	9.7167851	3082	10.2832149	10.0521369	658	9.9478631	29
32	9.6648906	2423	10·3351094 10·3348671	9·7170933 9·7174014	3081	10°2829067 10°2825986	10.0522027 10.0522686	659	9·9477973 9·9477314	28 27
34	9.6651329 9.6653749	2420	10.3346251	9.7177094	3080	10 2822906	10.0523345	659	9.9476655	26
35	9.6656168	2419	10.3343832	9.7180173	3079	10.2819827	10.0524005	660	9.9475995	25
36		2418	10.3341414		3078	10.2816749	10.0524665	660	9.9475335	
37	9.6658586	2415	10.3338999	9·7183251 9·7186327	3076	10.2813673	10.0525326	661	9.9474674	24 23
38	9.6663415	2414	10.3336585	9.7189402	3075	10.2810598	10.0525987	661	9.9474013	22
39	9.6665828	2413	10.3334172	9.7192476	3074	10.2807524	10.0526648	661	9.9473352	21
40	9.6668238	2410 2409	10.3331762	9.7195549	3073 3071	10.2804451	10.0527311	663 662	9.9472689	20
41	9.6670647		10.3329353	9.7198620		10.2801380	10.0527973		9.9472027	19
42	9.6673054	2407	10.3326946	9.7201690	3070	10.2798310	10.0528636	663	9.9471364	18
43	9.6675459	2405 2404	10.3324541	9.7204759	3069 3068	10.2795241	10.0529300	664 664	9.9470700	17
44	9.6677863	2402	10.3322137	9.7207827	3066	10.2792173	10.0529964	664	9.9470036	16
45	9.6680265	2400	10.3319735	9.7210893	3065	10.2789107	10.0530628	665	9.9469372	15
46	9.6682665	2399	10.3317335	9.7213958	3064	10.2786042	10.0531293	665	9.9468707	14
47	9.6685064	2397	10.3314936	9.7217022	3063	10.2782978	10.0531958	666	9.9468042	13
48	9.6687461	2395	10.3312539	9.7220085	3062	10.2779915	10.0532624	666	9.9467376	12
49	9.6689856	2394	10.3310144 10.3307750	9·7223147 9·7226207	3060	10·2776853 10·2773793	10.0533290 10.0533957	667	9.9466710 9.9466043	11 10
1		2392			3059			667		
51	9.6694642	2390	10.3305358	9.7229266	3058	10.2770734	10.0534624	668	9.9465376	9
52 53	9.6697032	2388	10·3302968 10·3300580	9·7232324 9·7235381	3057	10·2767676 10·2764619	10·0535292 10·0535960	668	9·9464708 9·9464040	8 7
54	9.6701807	2387	10.3298193	9.7238436	3055	10 2761564	10.0536629	669	9.9463371	6
55	9.6704192	2385	10.3295808	9.7241490	3054	10.2758510	10.0537298	669 670	9.9462702	5
56	9.6706576	2384	10.3293424	9.7244543	3053	10.2755457	10.0537968		9.9462032	4
57	9.6708958	2382	10.3293424	9.7247595	3052	10 27 52 40 5	10.0538638	670	9.9461362	3
58	9.6711338	2380	10.3288662	9.7250646	3051	10.2749354	10.0539308	670	9.9460692	2
59	9.6713716	2378 2377	10.3286284	9.7253695	3049 3049	10.2746305	10.0539979	671 672	9.9460021	1
60	9.6716093	2011	10.3283907	9.7256744	9018	10.2743256	10.0540651	012	9.9459349	0
		-	~			m		-	C.	1
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	)

	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
0	9·6716093	2375	10·3283907	9·7256744	3047	10·2743256	10.0540651	672	9°9459349	60
1	9·6718468	2373	10·3281532	9·7259791	3046	10·2740209	10.0541323	672	9°9458677	59
2	9·6720841	2372	10·3279159	9·7262837	3044	10·2737163	10.0541995	673	9°9458005	58
3	9·6723213	2370	10·3276787	9·7265881	3044	10·2734119	10.0542668	673	9°9457332	57
4	9·6725583	2369	10·3274417	9·7268925	3042	10·2731075	10.0543341	674	9°9450659	56
5	9·6727952	2367	10·3272048	9·7271967	3041	10·2728033	10.0544015	675	9°9455985	55
6	9·6730319	2365	10·3269681	9·7275008	3040	10·2724992	10.0544690	674	9°9455310	54
7	9·6732684	2363	10·3267316	9·7278048	3039	10·2721952	10.0545864	676	9°9454636	53
8	9·6735047	2362	10·3264953	9·7281087	3037	10·2718913	10.0546040	675	9°9453960	52
9	9·6737409	2360	10·3262591	9·7284124	3037	10·2715876	10.0546715	676	9°9453285	51
10	9·6739769	2359	10·3260231	9·7287161	3035	10·2712839	10.0547391	677	9°9452609	50
11	9·6742128	2357	10·3257872	9·7290196	3034	10·2709804	10.0548068	677	9·9451982	49
12	9·6744485	2355	10·3255515	9·7293230	3033	10·2706770	10.0548745	678	9·9451255	48
13	9·6746840	2354	10·3253160	9·7296263	3032	10·2703737	10.0549423	678	9·9450577	47
14	9·6749194	2352	10·3250806	9·7299295	3030	10·2700705	10.0550101	679	9·9449899	46
15	9·6751546	2350	10·3248454	9·7302325	3029	10·2697675	10.0550780	679	9·9449220	45
16	9·6753896	2349	10·3246104	9·7305354	3029	10·2694646	10.0551459	679	9·9448541	44
17	9·6756245	2347	10·3243755	9·7308383	3027	10·2691617	10.0552138	680	9·9447862	43
18	9·6758592	2345	10·3241408	9·7311410	3026	10·2685590	10.0552818	681	9·9447182	42
19	9·6760937	2344	10·3239063	9·7314436	3024	10·2685564	10.0553499	680	9·9446501	41
20	9·6763281	2342	10·3236719	9·7317460	3024	10·2682540	10.0554179	682	9·9445821	40
21	9·6765623	2340	10·3234377	9·7320484	3022	10·2679516	10.0554861	682	9·9445139	39
22	9·6767963	2339	10·3232037	9·7323506	3021	10·2676494	10.0555543	682	9·9444457	38
23	9·6770302	2338	10·3229698	9·7326527	3020	10·2673473	10.0556225	683	9·9443775	37
24	9·6772640	2335	10·3227360	9·7329547	3019	10·2670453	10.0556908	683	9·9443092	36
25	9·6774975	2334	10·3225025	9·7332566	3018	10·2667434	10.0557591	684	9·9442409	35
26	9.6777309	2333	10°3222691	9·7335584	3017	10·2664416	10.0558275	684	9·9441725	34
27	9.6779642	2330	10°3220358	9·7338601	3015	10·2661399	10.0558959	685	9·9441041	33
28	9.6781972	2329	10°3218028	9·7341616	3015	10·2658384	10.0559644	685	9·9440356	32
29	9.6784301	2328	10°3215699	9·7344631	3013	10·2655369	10.0560329	686	9·9439671	31
30	9.6786629	2326	10°3213371	9·7347644	3012	10·2652356	10.0561015	686	9·9438985	30
31	9·6788955	2324	10·3211045	9·7350656	3011	10·2649344	10.0561701	687	9·9438299	29
32	9·6791279	2323	10·3208721	9·7353667	3010	10·2646333	10.0562388	687	9·9437612	28
33	9·6793602	2321	10·3206398	9·7356677	3008	10·2643323	10.0563075	687	9·9436925	27
34	9·6795923	2320	10·3204077	9·7359685	3008	10·2640315	10.0563762	689	9·9436238	26
35	9·6798243	2317	10·3201757	9·7362693	3006	10·2637307	10.0564451	688	9·9435549	25
36	9.6800560	2317	10·3199440	9·7365699	3006	10·2634301	10.0565139	689	9°9434861	24
37	9.6802877	2314	10·3197123	9·7368705	3004	10·2631295	10.0565828	690	9°9434172	23
38	9.6805191	2313	10·3194809	9·7371709	3003	10·2628291	10.0566518	690	9°9433482	22
39	9.6807504	2312	10·3192496	9·7374712	3002	10·2625288	10.0567208	690	9°9432792	21
40	9.6809816	2310	10·3190184	9·7377714	3001	10·2622286	10.0567898	691	9°9432102	20
41	9·6812126	2308	10°3187874	9·7380715	2999	10·2619285	10.0568589	691	9·9431411	19
42	9·6814434	2307	10°3185566	9·7383714	2999	10·2616286	10.0569280	692	9·9430720	18
43	9·6816741	2305	10°3183259	9·7386713	2997	10·2613287	10.0569972	693	9·9430028	17
44	9·6819046	2303	10°3180954	9·7389710	2997	10·2610290	10.0570665	692	9·9429335	16
45	9·6821349	2302	10°3178651	9·7392707	2995	10·2607293	10.0571357	694	9·9428643	15
46	9.6823651	2301	10·3176349	9·7395702	2994	10·2604298	10.0572051	694	9°9427949	14
47	9.6825952	2298	10·3174048	9·7398696	2993	10·2601304	10.0572745	694	9°9427255	13
48	9.6828250	2298	10·3171750	9·7401689	2992	10·2598311	10.0573439	695	9°9426561	12
49	9.6830548	2295	10·3169452	9·7404681	2991	10·2595319	10.0574134	695	9°9425866	11
50	9.6832843	2294	10·\$167157	9·7407672	2990	10·2592328	10.0574829	695	9°9425171	10
51	9·6835137	2293	10·3164863	9·7410662	2988	10·2589338	10.0575524	697	9·9424476	9
52	9·6837430	2290	10·3162570	9·7413650	2988	10·2586350	10.0576221	696	9·9423779	8
53	9·6839720	2290	10·3160280	9·7416638	2986	10·2583362	10.0576917	697	9·9423083	7
54	9·6842010	2287	10·3157990	9·7419624	2985	10·2580376	10.0577614	698	9·9422386	6
55	9·6844297	2286	10·3155703	9·7422609	2985	10·2577391	10.0578312	698	9·9421688	.5
56 57 58 59 60	9.6846583 9.6848868 9.6851151 9.6853432 9.6855712	2285 2283 2281 2280	10·3153417 10·3151132 10·3148849 10·3146568 10·3144288	9·7425594 9·7428577 9·7431559 9·7434540 9·7437520	2983 2982 2981 2980	10·2574406 10·2571423 10·2568441 10·2565460 10·2562480	10.0579010 10.0579709 10.0580408 10.0581107 10.0581807	699 699 699 700	9-9420990 9-9420291 9-9419592 9-9418893 9-9418193	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,

_		Deg.									
	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
										0.0410100	00
	0	9·6855712 9·6857991	2279	10·3144288 10·3142009	9·7437520 9·7440499	2979	10°2562480 10°2559501	10·0581807 10·0582508	701	9·9418193 9·9417492	60 59
	2	9.6860267	2276	10.3139733	9.7443476	2977	10.2556524	10.0583209	701	9.9416791	58
	3	9.6862542	2275	10.3137458	9.7446453	2977	10-2553547	10.0583910	701 702	9.9416090	57
	4	9.6864816	2274 2272	10.3135184	9.7449428	2975 2975	10-2550572	10.0584612	703	9.9415388	56
	5	9.6867088	2271	10.3132912	9.7452403	2973	10.2547597	10.0585315	703	9.9414685	55
	6	9.6869359	2269	10.3130641	9.7455376	2973	10.2544624	10.0586018	703	9.9413982	54
	7	9.6871628	2267	10.3128372	9.7458349	2971	10.2541651	10.0586721	704	9.9413279	53 52
	8 9	9·6873895 9·6876161	2266	10.3126105	9·7461320 9·7464290	2970	10·2538680 10·2535710	10.0587425 10.0588129	704	9·9412575 9·9411871	51
	0	9.6878425	2264	10·3123839 10·3121575	9 7464250	2969	10 2532741	10.0588834	705	9.9411166	50
1		9.6880688	2263	10.3119312	9.7470227	2968	10.2529773	10.0589539	705	9.9410461	49
	2	9.6882949	2261	10.3117051	9.7473194	2967	10.2526806	10.0590245	706	9.9409755	48
	3	9.6885209	2260	10.3114791	9.7476160	2966 2965	10.2523840	10.0590952	707 706	9.9409048	47
	4	9.6887467	2258 2256	10.3112533	9.7479125	2964	10.2520875	10.0591658	708	9.9408342	46
1	5	9.6889723	2255	10.3110277	9.7482089	2963	10.2517911	10.0592366	707	9.9407634	45
	6	9.6891978	2254	10.3108022	9.7485052	2961	10.2514948	10.0593073	708	9.9406927	44
	7	9.6894232	2252	10.3105768	9.7488013	2961	10.2511987	10.0593781	709	9.9406219	43
	8	9·6896484 9·6898734	2250	10.3103516	9.7490974	2960	10·2509026 10·2506066	10·0594490 10·0595199	709	9·9405510 9·9404801	42
	0	9.6900983	2249	10·3101266 10·3099017	9·7493934 9·7496892	2958	10.2503108	10.0595909	710	9.9404091	40
	1	9.6903231	2248			2958	10.2500150	10.0596619	710	9.9403381	39
	22	9.6903231	2245	10·3096769 10·3094524	9.7499850 9.7502806	2956	10.2500150	10.0597330	711	9.9402670	38
2	3	9.6907721	2245	10.3092279	9.7505762	2956	10.2494238	10.0598041	711	9.9401959	37
	4	9.6909964	2243 2241	10.3090036	9.7508716	2954 2953	10.2491284	10.0595752	711 713	9.9401248	36
2	25	9.6912205	2240	10.3087795	9.7511669	2953	10.2485331	10.0599465	712	9.9400535	35
	6	9.6914445	2238	10.3085555	9.7514622	2951	10.2485378	10.0600177	713	9.9399823	34
	8	9.6916683	2236	10.3083317	9.7517573	2950	10.2482427	10.0600890	714	9.9399110	33
	9	9.6918919	2236	10.3081081	9.7520523	2949	10.2479477 10.2476528	10.0601604 10.0602318	714	9·9398396 9·9397682	31
	80	9·6921155 9·6923388	2233	10·3078845 10·3076612	9·7523472 9·7526420	2948	10 2470528	10.0603032	714 715	9.9396968	30
3	31	9.6925620	2232	10.3074380	9.7529368	2948	10.2470632	10.0603747		9*9396253	29
	32	9.6927851	2231 2229	10.3072149	9.7532314	2946	10.2467686	10.0604463	716 716	9.9395537	28
	33	9.6930080	2229	10.3069920	9.7535259	2945 2944	10.2464741	10.0605179	716	9.9394821	27
	34	9.6932308	2226	10.3067692	9.7538203	2943	10.2461797	10.0605895	717	9.9394105	26
	35	9.6934534	2224	10.3065466	9.7541146	2942	10.2458854	10.0606612	717	9.9393388	25
	6	9.6936758	2223	10.3063242	9.7544088	2941	10.2455912	10.0607329	718	9.9392671	24
	87	9·6938981 9·6941203	2222	10°3061019 10°3058797	9·7547029 9·7549969	2940	10·2452971 10·2450031	10.0608047 10.0608766	719	9·9391953 9·9391234	23 22
	9	9.6943423	2220	10 3056577	9.7552908	2939	10 2447092	10.0609485	719	9.9390515	21
	0	9.6945642	2219 2217	10.3054358	9.7555846	2938	10.2444154	10.0610204	719 720	9.9389796	20
4	1	9.6947859		10.3052141	9.7558783	2937	10.2441217	10.0610924		9.9389076	19
4	2	9.6950074	2215 2214	10.3049926	9.7561718	2935 2935	10.2438282	10.0611644	720 721	9.9388356	18
	3	9.6952288	2214	10:3047712	9.7564653	2934	10.2435347	10.0612365	721	9.9387635	17
	5	9.6954501	2211	10.3045499	9.7567587	2933	10-2432413	10:0613086	722	9°9386914 9°9386192	16
-	- 1	9.6956712	2210	10.3043288	9.7570520	2932	10.2429480	10.0613808	722		
	6	9.6958922	2208	10:3041078	9.7573452	2931	10.2426548	10.0614530	723	9.9385470	14
	7 8	9·6961130 9·6963336	2206	10·3038870 10·3036664	9·7576383 9·7579313	2930	10·2423617 10·2420687	10.0615253	723	9·9384747 9·9384024	12
	9	9.6965541	2205	10.3034459	9.7582242	2929	10 2420087	10.0616700	724	9.9383300	11
	90	9.6967745	2204 2202	10.3032255	9.7585170	2928 2926	10.2414830	10.0617424	724 725	9.9382576	10
	1	9.6969947	2201	10.3030053	9.7588096	2926	10.2411904	10.0618149	725	9.9381851	9
	2	9.6972148	2199	10.3027852	9.7591022	2925	10.2408978	10.0618874	726	9.9381126	8 7
	3	9·6974347 9·6976545	2198	10·3025653 10·3023455	9.7593947	2924	10.2406053	10.0619600 10.0620326	726	9·9380400 9·9379674	6
	55	9.6978741	2196	10.3023455	9·7596871 9·7599794	2923	10·2403129 10·2400206	10.0620326	727	9 9379074	5
	6	9.6980936	2195	10.3019064	9.7602716	2922	10.2397284	10.0621780	727	9.9378220	4
5	7	9.6983129	2193	10.3016871	9.7605637	2921	10.2394363	10.0622508	728	9.9377492	3
	8	9.6985321	2192 2190	10.3014679	9.7608557	2920 2919	10.2391443	10.0623236	728 729	9.9376764	2
	9	9.6987511	2189	10.3012489	9.7611476	2919	10.2388524	10.0623965	729	9.9376035	1 0
0	0	9.6989700		10.3010300	9.7614394		10.2385606	10.0624694		9.9375306	
	,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
		Cosino	will.	DOME	County.	Dill.	Tang.	COSCC.	٠.	Diffe	
1	1									- 4	

	30 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
0	9·6989700	2187	10°3010300	9·7614394	2917	10·2385606	10°0624694	729	9-9375306	60
1	9·6991887	2186	10°3008113	9·7617311	2916	10·2382689	10°0625423	730	9-9374577	59
2	9·6994073	2185	10°3005927	9·7620227	2915	10·2379773	10°0626153	731	9-9373847	58
3	9·6996258	2183	10°3003742	9·7623142	2914	10·2376858	10°0626884	731	9-9373116	57
4	9·6998441	2181	10°3001559	9·7626056	2913	10·2373944	10°0627615	732	9-9372385	56
5	9·7000622	2180	10°2999378	9·7628969	2912	10·2371031	10°0628347	732	9-9371653	55
6	9·7002802	2179	10·2997198	9·7631881	2911	10·2368119	10.0629079	732	9·9370921	54
7	9·7604981	2177	10·2995019	9·7634792	2910	10·2365208	10.0629811	733	9·9370189	53
8	9·7007158	2176	10·2992842	9·7637702	2910	10·2362298	10.0630544	734	9·9369456	52
9	9·7009334	2174	10·2990666	9·7640612	2908	10·2359388	10.0631278	734	9·9368722	51
10	9·7011508	2173	10·2988492	9·7643520	2907	10·2356480	10.0632012	734	9·9367988	50
11	9*7013681	2171	10·2986319	9·7646427	2907	10·2353573	10.0632746	735	9·9367254	49
12	9*7015852	2170	10·2984148	9·7649334	2905	10·2350666	10.0633481	736	9·9366519	48
13	9*7018022	2168	10·2981978	9·7652239	2904	10·2347761	10.0634217	736	9·9365783	47
14	9*7020190	2167	10·2979810	9·7655143	2904	10·2344857	10.0634953	736	9·9365047	46
15	9*7022357	2166	10·2977643	9·7658047	2902	10·2341953	10.0635689	737	9·9364311	45
16	9·7024523	2164	10*2975477	9·7660949	2902	10·2339051	10.0636426	738	9*9363574	44
17	9·7026687	2162	10*2973313	9·7663851	2900	10·2336149	10.0637164	738	9*9362836	43
18	9·7028849	2162	10*2971151	9·7666751	2900	10·2333249	10.0637902	738	9*9362098	42
19	9·7031011	2159	10*2968989	9·7669651	2899	10·2330349	10.0638640	739	9*9361360	41
20	9·7033170	2159	10*2966830	9·7672550	2898	10·2327450	10.0639379	740	9*9360621	40
21	9·7035329	2157	10·2964671	9·7675448	2896	10·2324552	10.0640119	740	9-9359881	39
22	9·7037486	2155	10·2962514	9·7678344	2896	10·2321656	10.0640859	740	9-9359141	38
23	9·7039641	2154	10·2960359	9·7681240	2895	10·2318760	10.0641599	741	9-9358401	37
24	9·7041795	2152	10·2958205	9·7684135	2894	10·2315865	10.0642340	742	9-9357660	36
25	9·7043947	2152	10·2956053	9·7687029	2893	10·2312971	10.0643082	741	9-9356918	35
26	9·7046099	2149	10·2953901	9·7689922	2892	10·2310078	10.0643823	743	9·9356177	34
27	9·7048248	2149	10·2951752	9·7692814	2891	10·2307186	10.0644566	743	9·9355434	33
28	9·7050397	2146	10·2949603	9·7695705	2891	10·2304295	10.0645309	743	9·9354691	32
29	9·7052543	2146	10·2947457	9·7698596	2889	10·2301404	10.0646052	744	9·9353948	31
30	9·7054689	2144	10·2945311	9·7701485	2888	10·2298515	10.0646796	745	9·9353204	30
31	9·7056833	2142	10·2943167	9·7704373	2888	10°2295627	10.0647541	744	9°9352459	29
32	9·7058975	2141	10·2941025	9·7707261	2886	10°2292739	10.0648285	746	9°9351715	28
33	9·7061116	2140	10·2938884	9·7710147	2886	10°2289853	10.0649031	746	9°9350969	27
34	9·7063256	2138	10·2936744	9·7713033	2884	10°2286967	10.0649777	746	9°9350223	26
35	9·7065394	2137	10·2934606	9·7715917	2884	10°2284083	10.0650523	747	9°9349477	25
36	9.7067531	2136	10·2932469	9·7718801	2883	10·2281199	10.0651270	747	9·9348730	24
37	9.7069667	2134	10·2930333	9·7721684	2882	10·2278316	10.0652017	748	9·9347983	23
38	9.7071801	2132	10·2928199	9·7724566	2881	10·2275434	10.0652765	749	9·9347235	22
39	9.7073933	2131	10·2926067	9·7727447	2880	10·2272553	10.0653514	748	9·9346486	21
40	9.7076064	2130	10·2923936	9·7730327	2879	10·2269673	10.0654262	750	9·9345738	20
41	9·7078194	2129	10·2921806	9·7733206	2878	10°2266794	10.0655012	750	9·9344988	19
42	9·7080323	2127	10·2919677	9·7736084	2877	10°2263916	10.0655762	750	9·9344238	18
43	9·7082450	2125	10·2917550	9·7738961	2877	10°2261039	10.0656512	751	9·9343488	17
44	9·7084575	2124	10·2915425	9·7741838	2875	10°2258162	10.0657263	751	9·9342737	16
45	9·7086699	2123	10·2913301	9·7744713	2875	10°2255287	10.0658014	752	9·9341986	15
46 47 48 49 50	9·7088822 9·7090943 9·7093063 9·7095182 9·7097299	2121 2120 2119 2117 2116	10·2911178 10·2909057 10·2906937 10·2904818 10·2902701	9·7747588 9·7750462 9·7753334 9·7756206 9·7759077	2874 2872 2872 2872 2871 2870	10·2252412 10·2249538 10·2246666 10·2243794 10·2240923	10.0658766 10.0659518 10.0660271 10.0661024 10.0661778	752 753 753 754 755	9·9341234 9·9340482 9·9339729 9·9338976 9·9338222	14 13 12 11 10
51	9·7099415	2114	10·2900585	9·7761947	2869	10·2238053	10.0662533	754	9-9337467	9
52	9·7101529	2113	10·2898471	9·7764816	2869	10·2235184	10.0663287	756	9-9336713	8
53	9·7103642	2111	10·2896358	9·7767685	2867	10·2232315	10.0664043	756	9-9335957	7
54	9·7105753	2110	10·2894247	9·7770552	2866	10·2229448	10.0664799	756	9-9335201	6
55	9·7107863	2109	10·2892137	9·7773418	2866	10·2226582	10.0665555	757	9-9334445	5
56 57 58 59 60	9·7109972 9·7112080 9·7114186 9·7116290 9·7118393	2108 2106 2104 2103	10°2890028 10°2887920 10°2885814 10°2883710 10°2881607	9·7776284 9·7779149 9·7782012 9·7784875 9·7787737	2865 2863 2863 2862	10·2223716 10·2220851 10·2217988 10·2215125 10·2212263	10.0666312 10.0667069 10.0667827 10.0668585 10.0669344	757 758 758 759	9·933688 9·9332931 9·9332173 9·9331415 9·9330656	4 3 2 1 0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	'
-										1

		or neg.									
	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
1					-						
	0	9·7118393 9·7120495	2102	10·2881607 10·2879505	9·7787737 9·7790599	2862	10°2212263 10°2209401	10.0669344 10.0670103	759	9 · 9330656 9 · 9329897	60 59
1	2	9.7122596	2101	10.2877404	9.7793459	2860	10.2206541	10.0670863	760	9.9329137	58
	3	9.7124695	2099 2097	10.2875305	9.7796318	2859 2859	10.2203682	10 0671624	761 760	9.9328376	57
	5	9·7126792 9·7128889	2097	10·2873208 10·2871111	9·7799177 9·7802034	2857	10·2200823 10·2197966	10.0672384 10.0673146	762	9·9327616 9·9326854	56 55
- [			2094			2857			762		
	6 7	9·7130983 9·7133077	2094	10·2869017 10·2866923	9·7804891 9·7807747	2856	10.2195109	10.0673908 10.0674670	762	9.9326092	54 53
	- 8	9.7135169	2092	10.2864831	9.7810602	2855 2854	10.5189398	10.0675433	763	9.9324567	52
-	9	9.7137260	2091 2089	10.2862740	9.7813456	2853	10.2186544	10.0676196	763 764	9 9 9 3 2 3 8 0 4	51
1	10	9.7139349	2088	10.2860651	9.7816309	2853	10.2183691	10.0676960	764	9.9323040	50
-1	11 12	9.7141437	2087	10·2858563 10·2856476	9.7819162	2851	10.2180838	10:0677724	765	9.9322276	49
	13	9·7143524 9·7145609	2085	10 2854391	9·7822013 9·7824864	2851	10·2177987 10·2175136	10.0678489 10.0679254	765	9·9321511 9·9320746	48
-	14	9.7147693	2084 2083	10.2852307	9.7827713	2849 2849	10.2172287	10.0680020	766 767	9.9319980	46
ı	15	9.7149776	2081	10.2850224	9.7830562	2848	10.2169438	10.0680787	766	9.9319213	45
	16	9.7151857	2080	10:2848143	9.7833410	2848	10.2166590	10.0681553	768	9.9318447	44
-	17 18	9·7153937 9·7156015	2078	10°2846063 10°2843985	9·7836258 9·7839104	2846	10·2163742 10·2160896	10.0682321	768	9·9317679 9·9316911	43
1	19	9.7158092	2077	10 2841908	9.7841949	2845 2845	10.2158051	10.0683857	768 769	9.9316143	41
	20	9.7160168	2076 2075	10.2839832	9.7844794	2844	10.2155206	10.0684626	769	9.9315374	40
	21	9.7162243	2073	10.2837757	9.7847638	2843	10.2152362	10.0685395	770	9.9314605	39
	22 23	9.7164316	2071	10·2835684 10·2833613	9.7850481	2842	10.2149519	10.0686165	770	9·9313835 9·9313065	38
	24	9·7166387 9·7168458	2071	10 2831542	9·7853323 9·7856164	2841	10·2146677 10·2143836	10.0686935 10.0687706	771	9.9312294	37 36
	25	9.7170526	2068 2068	10.2829474	9.7859004	2840 2840	10.2140996	10.0688478	772 772	9.9311522	35
	26	9.7172594	2066	10.2827406	9.7861844	2838	10.2138156	10.0689250	772	9.9310750	34
	27	9.7174660	2065	10.2825340	9.7864682	2838	10.2135318	10.0690022	773	9.9309978	33
	28 29	9·7176725 9·7178789	2064	10·2823275 10·2821211	9·7867520 9·7870357	2837	10.2132480 10.2129643	10.0690795 10.0691568	773	9·9309205 9·9308432	32
	30	9.7180851	2062 2061	10.2819149	9.7873193	2836 2835	10.2126807	10.0692342	774 775	9.9307658	30
	31	9.7182912	2059	10.2817088	9.7876028	2835	10.2123972	10.0693117		9.9306883	29
	32	9.7184971	2059	10.2815029	9.7878863	2833	10.2121137	10.0693891	774 776	9.9306109	28
	33	9·7187030 9·7189086	2056	10°2812970 10°2810914	9·7881696 9·7884529	2833	10·2118304 10·2115471	10.0694667 10.0695443	776	9·9305333 9·9304557	27 26
	35	9.7191142	2056 2054	10.2808858	9.7887361	2832 2831	10.2112639	10.0696219	776 777	9.9303781	25
	36	9.7193196		10.2806804	9.7890192		10.2109808	10.0696996		9.9303004	24
1	37	9.7195249	2053 2051	10.2804751	9.7893023	2831 2829	10.2106977	10.0697774	778 778	9.9302226	23
	38	9.7197300 9.7199350	2050	10°2802700 10°2800650	9·7895852 9·7898681	2829	10·2104148 10·2101319	10.0698552 10.0699330	778	9·9301448 9·9300670	22
-1	40	9.7201399	2049	10.2798601	9.7901508	2827	10.2098492	10.0700109	779	9.9299891	21 20
	41	9.7203447	2048	10.2796553	9.7904335	2827	10.2095665	10.0700888	779	9.9299112	19
1	42	9.7205493	2046 2045	10.2794507	9.7907161	2826 2826	10.2092839	10.0701668	780 781	9.9298332	18
-	43	9·7207538 9·7209581	2043	10.2792462	9.7909987	2824	10.2090013	10.0702449	781	9.9297551	17
	44 45	9.7211623	2042	10·2790419 10·2788377	9·7912811 9·7915635	2824	10·2087189 10·2084365	10.0703230 10.0704011	781	9·9296770 9·9295989	16 15
	46	9.7213664	2041	10.2786336	9.7918458	2823	10.2081542	10.0704793	782	9.9295207	14
	47	9.7215704	2040 2038	10.2784296	9.7921280	2822 2821	10.2078720	10.0705576	783 783	9.9294424	13
	48	9.7217742	2037	10.2782258	9.7924101	2820	10.2075899	10.0706359	784	9.9293641	12
	49 50	9·7219779 9·7221814	2035	10·2780221 10·2778186	9·7926921 9·7929741	2820	10·2073079 10·2070259	10·0707143 10·0707927	784	9·9292857 9·9292073	11 10
	51	9.7223848	2034	10.2776152	9.7932560	2819	10.2067440	10.0708711	784	9.9291289	9
	52	9.7225881	2033 2032	10.2774119	9.7935378	2818 2817	10.2064622	10.0709496	785	9.9290504	8
	53	9.7227913	2032	10.2772087	9.7938195	2816	10.2061805	10.0710282	786 786	9.9289718	8 7
-	54 55	9·7229943 9·7231972	2029	10·2770057 10·2768028	9·7941011 9·7943827	2816	10·2058989 10·2056173	10.0711068 10.0711855	787	9°9288932 9°9288145	6 5
	56	9.7234000	2028	10.2766000	9.7946641	2814	10.2053359	10.0712642	787	9.9287358	4
-	57	9.7236026	2026	10.2763974	9.7949455	2814	10.2050545	10.0713429	787	9.9286571	3
	58	9.7238051	2025 2024	10.2761949	9.7952268	2813 2813	10.2047732	10.0714217	788 789	9.9285783	2
	59 60	9·7240075 9·7242097	2022	10·2759925 10·2757903	9·7955081 9·7957892	2811	10·2044919 10·2042108	10.0715006 10.0715795	789	9·9284994 9·9284205	1 0
		122001			. ,00,002					0 0201200	
	'	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1

	32 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·7242097	2021	10·2757903	9·7957892	2811	10·2042108	10·0715795	790	9°9284205	60
1	9·7244118	2020	10·2755882	9·7960703	2810	10·2039297	10·0716585	790	9°9283415	59
2	9·7246138	2018	10·2753862	9·7963513	2809	10·2036487	10·0717375	791	9°9282625	58
3	9·7248156	2018	10·2751844	9·7966322	2808	10·2033678	10·0718166	791	9°9281834	57
4	9·7250174	2015	10·2749826	9·7969130	2808	10·2030870	10·0718957	792	9°9281043	56
5	9·7252189	2015	10·2747811	9·7971938	2807	10·2028062	10·0719749	792	9°9280251	55
6	9·7254204	2013	10·2745796	9·7974745	2806	10·2025255	10·0720541	793	9°9279459	54
7	9·7256217	2012	10·2743783	9·7977551	2805	10·2022449	10·0721334	793	9°9278666	53
8	9·7258229	2011	10·2741771	9·7980356	2804	10·2019644	10·0722127	794	9°9277873	52
9	9·7260240	2009	10·2739760	9·7983160	2804	10·2016840	10·0722921	794	9°9277079	51
10	9·7262249	2008	10·2737751	9·7985964	2803	10·2014036	10·0723715	795	9°9276285	50
11	9·7264257	2007	10·2735743	9·7988767	2802	10·2011233	10·0724510	795	9·9275490	49
12	9·7266264	2005	10·2733736	9·7991569	2801	10·2008431	10·0725305	796	9·9274695	48
13	9·7268269	2004	10·2731731	9·7994370	2800	10·2005630	10·0726101	796	9·9273899	47
14	9·7270273	2003	10·2729727	9·7997170	2800	10·2002830	10·0726897	797	9·9273103	46
15	9·7272276	2002	10·2727724	9·7999970	2799	10·2000030	10·0727694	797	9·9272306	45
16	9·7274278	2000	10·2725722	9·8002769	2798	10·1997231	10·0728491	798	9·9271509	44
17	9·7276278	1999	10·2723722	9·8005567	2798	10·1994433	10·0729289	798	9·9270711	43
18	9·7278277	1998	10·2721723	9·8008365	2796	10·1991635	10·0730087	799	9·9269913	42
19	9·7280275	1996	10·2719725	9·8011161	2796	10·1988839	10·0730886	800	9·9269114	41
20	9·7282271	1996	10·2717729	9·8013957	2795	10·1986043	10·0731686	800	9·9268314	40
21	9·7284267	1993	10·2715733	9·8016752	2794	10·1983248	10.0732486	800	9°9267514	39
22	9·7286260	1993	10·2713740	9·8019546	2794	10·1980454	10.0733286	801	9°9266714	38
23	9·7288253	1991	10·2711747	9·8022340	2793	10·1977660	10.0734087	801	9°9265913	37
24	9·7290244	1990	10·2709756	9·8025133	2792	10·1974867	10.0734888	802	9°9265112	36
25	9·7292234	1989	10·2707766	9·8027925	2791	10·1972075	10.0735690	803	9°9264310	35
26	9·7294223	1988	10·2705777	9·8030716	2790	10·1969284	10·0736493	803	9·9263507	34
27	9·7296211	1986	10·2703789	9·8033506	2790	10·1966494	10·0737296	803	9·9262704	33
28	9·7298197	1985	10·2701803	9·8036296	2789	10·1963704	10·0738099	805	9·9261901	32
29	9·7300182	1983	10·2699818	9·8039085	2788	10·1960915	10·0738904	804	9·9261096	31
30	9·7302165	1983	10·2697835	9·8041873	2788	10·1958127	10·0739708	805	9·9260292	30
31	9·7304148	1981	10°2695852	9·8044661	2786	10·1955339	10·0740513	806	9·9259487	29
32	9·7306129	1980	10°2693871	9·8047447	2786	10·1952553	10·0741319	806	9·9258681	28
33	9·7308109	1978	10°2691891	9·8050233	2786	10·1949767	10·0742125	806	9·9257875	27
34	9·7310087	1977	°10°2689913	9·8053019	2784	10·1946981	10·0742931	808	9·9257069	26
35	9·7312064	1976	10°2687936	9·8055803	2784	10·1944197	10·0743739	807	9·9256261	25
36	9·7314040	1975	10·2685960	9·8058587	2783	10·1941413	10·0744546	808	9·9255454	24
37	9·7316015	1974	10·2683985	9·8061370	2782	10·1938630	10·0745354	809	9·9254646	23
38	9·7317989	1972	10·2682011	9·8064152	2781	10·1935848	10·0746163	809	9·9253837	22
39	9·7319961	1971	10·2680039	9·8066933	2781	10·1933067	10·0746972	810	9·9253028	21
40	9·7321932	1970	10·2678068	9·8069714	2780	10·1930286	10·0747782	810	9·9252218	20
41	9·7323902	1968	10·2676098	9·8072494	2779	10·1927506	10·0748592	811	9·9251408	19
42	9·7325870	1967	10·2674130	9·8075273	2779	10·1924727	10·0749403	811	9·9250597	18
43	9·7327837	1966	10·2672163	9·8078052	2777	10·1921948	10·0750214	812	9·9249786	17
44	9·7329803	1965	10·2670197	9·8080829	2777	10·1919171	10·0751026	813	9·9248974	16
45	9·7331768	1963	10·2668232	9·8083606	2777	10·1916394	10·0751839	812	9·9248161	15
46	9·7333731	1962	10·2666269	9·8086383	2775	10·1913617	10·0752651	814	9 ·9247349	14
47	9·7335693	1961	10·2664307	9·8089158	2775	10·1910842	10·0753465	814	9 ·9246535	13
48	9·7337654	1960	10·2662346	9·8091933	2774	10·1908067	10·0754279	814	9 ·9245721	12
49	9·7339614	1958	10·2660386	9·8094707	2773	10·1905293	10·0755093	815	9 ·9244907	11
50	9·7341572	1957	10·2658428	9·8097480	2773	10·1902520	10·0755908	815	9 ·9244092	10
51	9·7343529	1956	10·2656471	9·8100253	2772	10·1899747	10.0756723	816	9:9243277	9
52	9·7345485	1955	10·2654515	9·8103025	2771	10·1896975	10.0757539	817	9:9242461	8
53	9·7347440	1953	10·2652560	9·8105796	2770	10·1894204	10.0758356	817	9:9241644	7
54	9·7349393	1952	10·2650607	9·8108566	2770	10·1891434	10.0759173	817	9:9240827	6
55	9·7351345	1951	10·2648655	9·8111336	2769	10·1888664	10.0759990	819	9:9240010	5
56 57 58 59 60	9·7353296 9·7355246 9·7357195 9·7359142 9·7361088	1950 1949 1947 1946	10·2646704 10·2644754 10·2642805 10·2640858 10·2638912	9·8114105 9·8116873 9·8119641 9·8122408 9·8125174	2768 2768 2767 2766	10·1885895 10·1883127 10·1880359 10·1877592 10·1874826	10·0760809 10·0761627 10·0762446 10·0763266 10·0764086	818 819 820 820	9°9239191 9°9238373 9°9237554 9°9236734 9°9235914	4 3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	,
-		-	-	The Person Name of Street, or other Desires.	-		The state of the s	_		-

-	oo Dog.									
1	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	1
0	9.7361088		10.2638912	9.8125174		10.1874826	10.0764086		9-9235914	60
1	9.7363032	1944	10.2636968	9.8127939	2765	10.1872061	10.0764907	821	9.9235093	59
2	9.7364976	1944 1942	10.2635024	9.8130704	2765 2764	10.1869296	10.0765728	821 822	9.9234272	58
3	9.7366918	1941	10.2633082	9.8133468	2763	10.1866532	10.0766550	822	9.9233450	57
5	9.7368859	1940	10·2631141 10·2629201	9·8136231 9·8138993	2762	10.1863769	10.0767372 10.0768195	823	9·9232628 9·9231805	56 55
		1938			2762	10.1861007		823		
6 7	9.7372737	1938	10·2627263 10·2625325	9·8141755 9·8144516	2761	10·1858245 10·1855484	10·0769018 10·0769842	824	9·9230982 9·9230158	54 53
8		1936	10.2623389	9.8147277	2761	10.1852723	10.0770666	824	9.9229334	52
9	9.7378546	1935 1933	10.2621454	9.8150036	2759 2759	10.1849964	10.0771491	825 825	9.9228509	51
10	9.7380479	1933	10.2619521	9.8152795	2759	10.1847205	10.0772316	826	9.9227684	50
11	9.7382412	1931	10.2617588	9.8155554	2757	10.1844446	10.0773142	826	9.9226858	49
12	9.7384343	1930	10.2615657	9.8158311	2757	10.1841689	10.0773968	827	9.9226032	48
13		1928	10·2613727 10·2611799	9·8161068 9·8163824	2756	10·1838932 10·183 <b>6</b> 176	10.0774795 10.0775623	828	9·9225205 9·9224377	47 46
15		1928	10.2609871	9.8166580	2756	10.1833420	10.0776451	828 828	9.9223549	45
16		1926	10.2607945	9.8169335	2755	10.1830665	10.0777279		9.9222721	44
17	9.7393980	1925	10.2606020	9.8172089	2754 2753	10.1827911	10.0778109	830 829	9.9221891	43
18	9.7395904	1924 1923	10.2604096	9.8174842	2753	10.1825158	10.0778938	830	9.9221062	42
19		1921	10.2602173	9.8177595	2752	10:1822405	10.0779768	831	9.9220232	41
20		1920	10.2600252	9.8180347	2751	10.1819653	10.0780599	831	9.9219401	40
21	9.7401668	1919	10·2598332 10·2596413	9·8183098 9·8185849	2751	10·1816902 10·1814151	10.0781430 10.0782262	832	9·9218570 9·9217738	39
23		1918	10 2594495	9.8188599	2750	10 1814131	10.0783094	832	9.9216906	37
24		1916 1916	10.2592579	9.8191348	2749 2748	10.1808652	10.0783927	833 833	9.9216073	36
25	9.7409337	1914	10.2590663	9.8194096	2748	10.1805904	10.0784760	834	9.9215240	35
26		1913	10.2588749	9.8196844	2748	10.1803156	10.0785594	834	9.9214406	34
27		1911	10.2586836	9.8199592	2746	10.1800408	10.0786428	835	9.9213572	33
28		1911	10°2584925 10°2583014	9·8202338 9·8205084	2746	10·1797662 10·1794916	10.0787263 10.0788098	835	9·9212737 9·9211902	32
30		1909 1908	10.2581105	9.8207829	2745 2745	10.1792171	10.0788934	836 837	9.9211066	30
31	9.7420803		10.2579197	9.8210574	2743	10.1789426	10.0789771	836	9.9210229	29
32		1907 1906	10.2577290	9.8213317	2743	10.1786683	10.0790607	838	9.9209393	28
33		1904	10.2575384	9.8216060	2743	10.1783940	10.0791445	838	9.9208555	27
34		1903	10·2573480 10·2571577	9·8218803 9·8221545	2742	10·1781197 10·1778455	10·0792283 10·0793122	839	9·9207717 9·9206878	26 25
36	1	1902	10.2569675	9.8224286	2741	10.1775714	10.0793961	839	9.9206039	24
37		1901	10.2567774	9.8227026	2740	10.1772974	10.0794800	839	9.9205200	23
38	9.7434126	1900 1898	. 10.2565874	9.8229766	2740 2739	10.1770234	10.0795640	840 841	9.9204360	22
39		1897	10.2563976	9.8232505	2739	10.1767495	10.0796481	841	9.9203519	21
40		1896	10.2562079	9.8235244	2737	10.1764756	10.0797322	842	9.9202678	20
41		1895	10.2560183	9.8237981	2738	10.1762019	10.0798164	842	9.9201836	19
42		1894	10·2558288 10·2556394	9·8240719 9·8243455	2736	10·1759281 10·1756545	10.0799006 10.0799849	843	9·9200994 9·9200151	18 17
44		1892	10.2554502	9.8246191	2736	10.1753809	10.0800692	843	9.9199308	16
45		1892 1890	10.2552610	9.8248926	2735 2734	10.1751074	10.0801536	844 845	9.9198464	15
46		1889	10.2550720	9.8251660	2734	10.1748340	10.0802381	844	9.9197619	14
47		1889	10.2548831	9.8254394	2733	10.1745606	10.0803225	846	9.9196775	13
48		1887	10·2546944 10·2545057	9·8257127 9·8259860	2733	10.1742873	10.0804071 10.0804917	846	9·9195929 9·9195083	12 11
50		1885	10 2543037	9.8262592	2732	10·1740140 10·1737408	10.0804917	846	9 9195085	10
51		1884	10.2541288	9.8265323	2731	10.1734677	10.0806610	847	9.9193390	9
52	9.7460595	1883 1882	10.2539405	9.8268053	2730 2730	10.1731947	10.0807458	848 848	9.9192542	8
53		1881	10.2537523	9.8270783	2730	10.1729217	10.0808306	849	9.9191694	7
54		1879	10·2535642 10·2533763	9·8273513 9·8276241	2728	10·1726487 10·1723759	10.0809155 10.0810004	849	9·9190845 9·9189996	6 5
56		1878	10.2531885	9.8278969	2728	10.1721031	10.0810854	850	9.9189146	4
57		1877	10.2530008	9.8281696	2727	10 1721031	10.0811704	850	9.9188296	
58	9.7471868	1876 1875	10.2528132	9.8284423	2727 2726	10.1715577	10.0812555	851 851	9.9187445	3 2 1
59		1874	10·2526257 10·2524383	9.8287149	2725	10·1712851 10·1710126	10.0813406	852	9.9186594 9.9185742	0
00	0.1410011		10 2024083	9.8289874		10.1/10120	10.0814258		9 9180742	
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1
	- t-									

1										
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9.7475617	1872	10.2524383	9.8289874	2725	10.1710126	10.0814258	852	9.9185742	60
1 2	9.7477489	1871	10.2522511	9.8292599	2724	10.1707401	10.0815110	853	9-9184890	59
3	9·7479360 9·7481230	1870	10.2520640	9.8295323	2724	10:1704677	10.0815963	854	9.9184037	58 57
4	9.7481230	1869	10·2518770 10·2516901	9·8298047 9·8300769	2722	10·1701953 10·1699231	10.0816817 10.0817671	854	9·9183183 9·9182329	56
5	9.7484967	1868	10.2515033	9.8303492	2723	10.1696508	10.081/6/1	854	9.9181475	55
		1866			2721			855		_
6	9.7486833	1865	10.2513167	9.8306213	2721	10.1693787	10.0819380	856	9.9180620	54
7	9.7488698	1864	10.2511302	9.8308934	2720	10.1691066	10.0820236	856	9.9179764	53 52
8 9	9·7490562 9·7492425	1863	10.2509438	9.8311654	2720	10.1688346	10.0821092	857	9.9178908	51
10	9.7494287	1862 1861	10·2507575 10·2505713	9·8314374 9·8317093	2719 2718	10·1685626 10·1682907	10.0821949 10.0822806	857 858	9·9178051 9·9177194	50
11	9.7496148		10.2503852	9.8319811		10.1680189	10.0823664		9.9176336	49
12	9.7498007	1859	10.2501993	9.8322529	2718	10.1677471	10.0824522	858	9.9175478	48
13	9.7499866	1859 1857	10.2500134	9.8325246	2717	10.1674754	10.0825381	859 859	9.9174619	47
14	9.7501723	1856	10.2498277	9.8327963	2717 2716	10.1672037	10.0826240	860	9.9173760	46
15	9.7503579	1855	10.2496421	9.8330679	2715	10.1669321	10.0827100	860	9.9172900	45
16	9.7505434	1853	10.2494566	9.8333394	2715	10.1666606	10.0827960	861	9.9172040	44
17	9.7507287	1853	10.2492713	9.8336109	2714	10.1663891	10.0828821	862	9.9171179	43
18	9.7509140	1851	10.2490860	9.8338823	2713	10.1661177	10.0829683	862	9.9170317	42
19	9.7510991	1851	10.2489009	9.8341536	2713	10.1658464	10.0830545	862	9.9169455	41
20	9.7512842	1849	10.2487158	9.8344249	2712	10.1655751	10.0831407	863	9.9168593	40
21	9.7514691	1847	10.2485309	9.8346961	2712	10.1653039	10.0832270	864	9.9167730	39
22	9.7516538	1847	10.2483462	9.8349673	2711	10.1650327	10.0833134	864	9.9166866	38
23	9.7518385	1846	10.2481615	9.8352384	2710	10.1647616	10.0833998	865	9.9166002	37
24	9.7520231	1844	10.2479769	9.8355094	2710	10.1644906	10.0834863	865	9.9165137	36
25	9.7522075	1844	10.2477925	9.8357804	2709	10.1642196	10.0835728	866	9.9164272	35
26	9.7523919	1842	10.2476081	9.8360513	2708	10.1639487	10.0836594	867	9.9163406	34
27	9.7525761	1841	10.2474239	9.8363221	2708	10.1636779	10.0837461	866	9.9162539	33
28	9.7527602	1840	10.2472398	9.8365929	2707	10.1634071	10.0838327	868	9.9161673	32
29	9.7529442	1838	10.2470558	9.8368636	2707	10.1631364	10.0839195	868	9.9160805	31
30	9.7531280	1838	10.2468720	9.8371343	2706	10.1628657	10.0840063	868	9.9159937	30
31	9.7533118	1836	10.2466882	9.8374049	2706	10.1625951	10.0840931	869	9.9159069	29
32	9.7534954	1836	10.2465046	9.8376755	2705	10.1623245	10.0841800	870	9.9158200	28
33	9.7536790	1834	10·2463210 10·2461376	9·8379460 9·8382164	2704	10·1620540 10·1617836	10.0842670 10.0843540	870	9·9157330 9·9156460	26
34 35	9·7538624 9·7540457	1833	10.2459543	9.8384867	2703	10 1017030	10.0844411	871	9.9155589	25
-		1831			2704			871		
36	9.7542288	1831	10.2457712	9.8387571	2702	10.1612429	10.0845282	872	9.9154718	24
37	9.7544119	1830	10.2455881	9.8390273	2702	10.1609727	10.0846154	872	9.9153846	23
38	9.7545949	1828	10·2454051 10·2452223	9·8392975 9·8395676	2701	10·1607025 10·1604324	10.0847026 10.0847899	873	9·9152974 9·9152101	21
40	9·7547777 9·7549604	1827	10.2450396	9.8398377	2701	10 1601623	10.0848772	873	9.9151228	20
		1827			2700			874		1
41	9.7551431	1825	10.2448569	9.8401077	2699	10·1598923 10·1596224	10.0849646	875	9·9150354 9·9149479	19
42	9·7553256 9·7555080	1824	10·2446744 10·2444920	9·8403776 9·8406475	2699	10.1598224	10.0850521 10.0851396	875	9.9149479	17
44	9.7556902	1822	10 2444920	9.8409174	2699	10 1593525	10.0852271	875	9.9147729	16
45	9.7558724	1822	10.2441276	9.8411871	2697	10.1588129	10.0853148	877 876	9.9146852	15
46	9.7560544	1820	10.2439456	9.8414569	2698	10.1585431	10.0854024		9.9145976	14
47	9.7562364	1820	10 2437636	9.8417265	2696	10 1585431	10 0854024	877	9.9145099	13
48	9.7564182	1818	10.2435818	9.8419961	2696	10.1580039	10.0855779	878	9.9144221	12
49	9.7565999	1817	10.2434001	9.8422657	2696	10.1577343	10.0856658	879	9.9143342	11
50	9.7567815	1816 1815	10.2432185	9.8425351	2694 2695	10.1574649	10.0857536	878 880	9.9142464	10
51	9.7569630		10.2430370	9.8428046		10.1571954	10.0858416	880	9.9141584	1
52	9.7571444	1814	10.2428556	9.8430739	2693	10.1569261	10.0859296	880	9.9140704	
53	9.7573256	1812	10.2426744	9.8433432	2693 2693	10.1566568	10.0860176	881	9.9139824	1 8
54	9.7575068	1812 1810	10.2424932	9.8436125	2692	10.1563875	10.0861057	882	9.9138943	
55	9.7576878	1809	10.2423122	9.8438817	2691	10.1561183	10.0861939	882	9.9138061	
56	9.7578687	1808	10.2421313	9.8441508	2691	10.1558492	10.0862821	883	9.9137179	1 4
57	9.7580495	1808	10.2419505	9.8444199	2690	10.1555801	10.0863704	883	9.9136296	1 8
58	9.7582302	1806	10.2417698	9.8446889	2690	10.1553111	10.0864587	883	9.9135413	1 3
59	9.7584108	1805	10.2415892	9.8449579	2689	10.1550421	10.0865470	885	9.9134530	
60	9.7585913		10.2414087	9.8452268		10.1547732	10.0866355		9.9133645	ľ
		Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	

( ,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9·7585913 9·7587717	1804	10·2414087 10·2412283	9·8452268 9·8454956	2688 2688	10·1547732 10·1545044	10.0866355 10.0867240	885 885	9·9133645 9·9132760	60 59
2	9.7589519	1802 1802	10.2410481	9.8457644	2688	10.1542356	10.0868125	886	9.9131875	58
3 4	9·7591321 9·7593121	1800	10·2408679 10·2406879	9.8460332 9.8463018	2686	10·1539668 10·1536982	10.0869011 10.0869898	887	9·9130989 9·9130102	57 56
5	9.7594920	1799 1798	10.2405080	9.8465705	2687 2685	10.1534295	10.0870785	887 887	9.9129215	55
6	9.7596718	1797	10.2403282	9.8468390	2685	10.1531610	10.0871672	888	9.9128328	54
8	9·7598515 9·7600311	1796	10·2401485 10·2399689	9·8471075 9·8473760	2685	10·1528925 10·1526240	10.0872560 10.0873449	889	9.9127440 9.9126551	53 52
9	9.7602106	1795 1793	10.2397894	9.8476444	2684 2683	10.1523556	10.0874338	889 890	9.9125662	51
10	9.7603899	1793	10.2396101	9.8479127	2683	10.1520873	10.0875228	890	9.9124772	50
11 12	9·7605692 9·7607483	1791	10·2394308 10·2392517	9.8481810 9.8484492	2682	10·1518190 10·1515508	10.0876118 10.0877009	891	9·9123882 9·9122991	49
13	9.7609274	1791 1789	10.2390726	9.8487174	2682 2681	10.1512826	10.0877901	892 892	9.9122099	47
14 15	9·7611063 9·7612851	1788	10·2388937 10·2387149	9·8489855 9·8492536	2681	10·1510145 10·1507464	10.0878793 10.0879685	892	9·9121207 9·9120315	46
16	9.7614638	1787	10.2385362	9.8495216	2680	10.1504784	10.0880578	893	9.9119422	44
17	9.7616424	1786 1784	10.2383576	9.8497896	2680 2679	10.1502104	10.0881472	894 894	9.9118528	43
18 19	9·7618208 9·7619992	1784	10·2381792 10·2380008	9.8500575 9.8503253	2678	10·1499425 10·1496747	10.0882366 10.0883261	895	9·9117634 9·9116739	42
20	9.7621775	1783 1781	10 2378225	9.8505931	2678 2677	10.1494069	10.0884156	895 896	9.9115844	40
21	9.7623556	1781	10.2376444	9.8508608	2677	10.1491392	10.0885052	897	9-9114948	39
22	9.7625337	1779	10·2374663 10·2372884	9.8511285	2676	10:1488715	10.0885949	896	9.9114051	38
23 24	9.7627116	1778	10 237 2304	9·8513961 9·8516637	2676	10·1486039 10·1483363	10.0886845 10.0887743	898 898	9·9113155 9·9112257	37 36
25	9.7630671	1777 1776	10.2369329	9.8519312	2675 2675	10.1480688	10.0888641	899	9.9111359	35
26	9.7632447	1775	10.2367553	9.8521987	2674	10.1478013	10.0889540	899	9.9110460	34
27 28	9.7634222 9.7635996	1774	10·2365778 10·2364004	9·8524661 9·8527335	2674	10·1475339 10·1472665	10.0890439 10.0891339	900	9·9109561 9·9108661	33
29	9.7637769	1773 1771	10.2362231	9.8530008	2673 2672	10.1469992	10.0892239	901	9.9107761	31
30	9.7639540	1771	10.2360460	9.8532680	2672	10:1467320	10.0893140	901	9.9106860	30
31 32	9·7641311 9·7643080	1769	10·2358689 10·2356920	9·8535352 9·8538023	2671	10·1464648 10·1461977	10.0894041 10.0894943	902 902	9·9105959 9·9105057	29 28
33	9.7644849	1769 1767	10.2355151	9.8540694	2671 2671	10.1459306	10.0895845	902	9.9104155	27
34	9·7646616 9·7648382	1766	10·2353384 10·2351618	9·8543365 9·8546034	2669	10·1456635 10·1453966	10.0896749 10.0897652	903 904	9.9103251 9.9102348	26 25
36	9.7650147	1765 1764	10.2349853	9.8548704	2670 2668	10.1451296	10.0898556	905	9.9101444	24
37	9.7651911	1763	10.2348089	9.8551372	2669	10.1448628	10.0899461	905	9.9100539	23
38	9·7653674 9·7655436	1762	10°2346326 10°2344564	9·8554041 9·8556708	2667	10·1445959 10·1443292	10.0900366 10.0901272	906	9·9099634 9·9098728	22 21
40	9.7657197	1761 1760	10.2342803	9.8559376	2668 2666	10.1440624	10.0902179	907 906	9.9097821	20
41	9.7658957	1758	10.2341043	9.8562042	2666	10.1437958	10.0903085	908	9.9096915	19
42	9·7660715 9·7662473	1758	10·2339285 10·2337527	9·8564708 9·8567374	2666	10·1435292 10·1432626	10·0903993 10·0904901	908	9·9096007 9·9095099	18
44	9.7664229	1756 1756	10.2335771	9.8570039	2665 2665	10.1429961	10.0905810	909	9.9094190	16
45	9.7665985	1754	10.2334015	9.8572704	2664	10.1427296	10.0906719	910	9.9093281	15
46	9.7667739	1753	10·2332261 10·2330508	9·8575368 9·8578031	2663	10·1424632 10·1421969	10.0907629 10.0908539	910	9·9092371 9·9091461	14 13
48	9.7671244	1752 1752	10.2328756	9.8580694	2663 2663	10.1419306	10.0909450	911 911	9.9090550	12
49 50	9·7672996 9·7674746	1750	10·2327004 10·2325254	9.8583357 9.8586019	2662	10·1416643 10·1413981	10.0910361 10.0911273	912	9·9089639 9·9088727	11 10
51	9.7676494	1748	10.2323506	9.8588680	2661	10.1411320	10.0912186	913	9.9087814	9
52	9.7678242	1748 1747	10.2321758	9.8591341	2661 2661	10.1408659	10.0913099	913 913	9.9086901	8 7
53 54	9·7679989 9·7681735	1746	10·2320011 10·2318265	9.8594002 9.8596661	2659	10·1405998 10·1403339	10.0914012 10.0914927	915	9·9085988 9·9085073	6
55	9.7683480	1745 1743	10.2316520	9.8599321	2660 2659	10.1400679	10.0915841	914 916	9.9084159	5
56	9.7685223	1743	10.2314777	9.8601980	2658	10.1398020	10.0916757	916	9.9083243	4
57 58	9·7686966 9·7688707	1741	10·2313034 10·2311293	9.8604638 9.8607296	2658	10·1395362 10·1392704	10.0917673 10.0918589	916	9·9082327 9·9081411	4 3 2 1
59	9.7690448	1741 1739	10.2309552	9.8609954	2658 2656	10.1390046	10.0919506	917 918	9.9080494	1 0
60	9.7692187		10.2307813	9.8612610		10.1387390	10.0920424		9 9079576	0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1

,		oo Deg.									
1	,	Q!	70100	~	en.	70100	a .	~	2	Great was	,
ı		Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	
1	0	9.7692187	1738	10.2307813	9.8612610	2657	10.1387390	10.0920424	918	9-9079576	60
1	$\frac{1}{2}$	9.7693925	1737	10.2306075	9.8615267	2656	10.1384733	10.0921342	918	9.9078658	59
	3	9·7695662 9·7697398	1736	10·2304338 10·2302602	9·8617923 9·8620578	2655	10·1382077 10·1379422	10.0922260 10.0923180	920	9·9077740 9·9076829	58
	4	9.7699134	1736	10.2300866	9.8623233	2655	10.1376767	10.0924099	919	9.9075901	56
ı	5	9.7700868	1734 1733	10.2299132	9.8625837	2654 2654	10.1374113	10.0925020	921 921	9 9074980	55
ı	6	9.7702601	1731	10.2297399	9.8628541	2654	10.1371459	10.0925941	921	9.9074059	54
	7	9.7704332	1731	10.2295668	9.8631195	2653	10.1368805	10.0926862	922	9.9073138	53
	8 9	9.7706063	1730	10.2293937	9.8633848	2652	10.1366152	10:0927784	923	9.9072216	52
ı	10	9·7707793 9·7709522	1729	10°2292207 10°2290478	9·8636500 9·8639152	2652	10·1363500 10·1360848	10·0928707 10·0929630	923	9·9071293 9·9070370	51 50
ı	11	9.7711249	1727	10.2288751	9.8641803	2651	10.1358197	10.0930554	924	9.9069446	49
	12	9.7712976	1727	10.2287024	9.8644454	2651	10.1355546	10.0931478	924	9.9068522	48
	13	9.7714702	1726	10.2285298	9.8647105	2651 2650	10.1352895	10.0932403	925 926	9.9067597	47
	14	9.7716426	1724 1724	10.2283574	9.8649755	2649	10.1350245	10.0933329	926	9.9066671	46
ı	15	9.7718150	1722	10.2281850	9.8652404	2649	10.1347596	10.0934255	926	9.9065745	45
	16	9.7719872	1721	10.2280128	9.8655053	2649	10.1344947	10.0935181	927	9-9064819	44
	17 18	9·7721593 9·7723314	1721	10·2278407 10·2276686	9·8657702 9·8660350	2648	10·1342298 10·1339650	10.0936108 10.0937036	928	9*9063892 9*9062964	43
	19	9.7725033	1719	10.2274967	9.8662997	2647	10.1337003	10.0937964	928	9.9062036	41
	20	9.7726751	1718 1717	10.2273249	9.8665644	2647 2647	10.1334356	10.0938893	929 930	9.9061107	40
	21	9.7728468		10.2271532	9.8668291	2646	10.1331709	10.0939823	930	9.9060177	39
1	22	9.7730185	1717	10.2269815	9.8670937	2646	10.1329063	10.0940753	930	9.9059247	38
	23	9.7731900	1715 1714	10.2268100	9.8673583	2645	10.1326417	10.0941683	931	9.9058317	37
	24 25	9·7733614 9·7735327	1713	10·2266386 10·2264673	9·8676228 9·8678873	2645	10·1323772 10·1321127	10.0942614 10.0943546	932	9 · 9057386 9 · 9056454	36 35
	26	9.7737039	1712	10 2262961	9.8681517	2644	10.1318483	10.0944478	932	9.9055522	34
	27	9.7738749	1710	10 2261251	9.8684160	2643	10 1315463	10.0945411	933	9.9054589	33
ì	28	9.7740459	1710	10.2259541	9.8686804	2644 2642	10.1313196	10.0946344	933 934	9.9053656	32
	29	9.7742168	1709 1708	10.2257832	9.8689446	2643	10.1310554	10.0947278	935	9.9052722	31
	30	9.7743876	1707	10.2256124	9.8692089	2642	10.1307911	10.0948213	935	9.9051787	30
	31	9.7745583	1705	10.2254417	9.8694731	2641	10.1305269	10:0949148	936	9°9050852 9°9049916	29 28
	32 33	9.7747288	1705	10·2252712 10·2251007	9·8697372 9·8700013	2641	10·1302628 10·1299987	10.0950084 10.0951020	936	9.9048980	27
	34	9.7750697	1704	10.2249303	9.8702653	2640 2640	10.1297347	10.0951957	937	9.9048043	26
	35	9.7752399	1702 1702	10.2247601	9.8705293	2640	10.1294707	10.0952894	937 938	9.9047106	25
	36	9.7754101	1700	10.2245899	9.8707933	2639	10.1292067	10.0953832	938	9.9046168	24
	37	9.7755801	1700	10.2244199	9.8710572	2638	10.1289428	10.0954770	939	9.9045230	23
	38 39	9.7757501	1698	10·2242499 10·2240801	9·8713210 9·8715848	2638	10·1286790 10·1284152	10.0955709 10.0956649	940	9·9044291 9·9043351	22 21
8	40	9.7760897	1698	10.2239103	9.8718486	2638	10.1281514	10.0957589	940	9.9042411	20
	41	9.7762593	1696	10.2237407	9.8721123	2637	10.1278877	10.0958530	941	9.9041470	19
	42	9.7764289	1696	10.2235711	9.8723760	2637 2636	10.1276240	10.0959471	941	9.9040529	18
	43	9.7765983	1694 1693	10.2234017	9.8726396	2636	10.1273604	10.0960413	942 943	9.9039587	17
	44	9.7767676	1693	10·2232324 10·2230631	9·8729032 9·8731668	2636	10·1270968 10·1268332	10.0961356	943	9·9038644 9·9037701	16 15
		9.7769369	1691			2634			944		1
	46	9.7771060	1690	10·2228940 10·2227250	9·8734302 9·8736937	2635	10·1265698 10·1263063	10.0963243 10.0964187	944	9·9036757 9·9035813	14
	48	9.7772750	1689	10.2225561	9.8739571	2634	10.1260429	10.0965132	945	9 9033813	12
	49	9·7774439 9·7776128	1689 1687	10.2223872	9.8742204	2633 2634	10.1257796	10.0966077	945 946	9.9033923	11
	50	9.7777815	1686	10.2222185	9.8744838	2632	10.1255162	10.0967023	946	9.9032977	10
	51	9.7779501	1685	10.2220499	9.8747470	2632	10.1252530	10.0967969	947	9.9032031	9
	52 53	9.7781186	1684	10°2218814 10°2217130	9·8750102 9·8752734	2632	10·1249898 10·1247266	10.0968916 10.0969864	948	9·9031084 9·9030136	8 7
	54	9.7784553	1683	10.2217130	9.8755365	2631	10 124 / 200	10 0970812	948	9.9029188	6
	55	9.7786235	1682 1681	10.2213765	9.8757996	2631 2631	10.1242004	10.0971761	949 950	9.9028239	5
	56	9.7787916		10.2212084	9.8760627	2630	10.1239373	10.0972711		9.9027289	4
	57	9.7789596	1680 1679	10.2210404	9.8763257	2629	10.1236743	10.0973661	950 950	9.9026339	3
	58	9.7791275	1678	10.2208725	9.8765886	2629	10.1234114	10.0974611	951	9.9025389	2
	59 60	9.7792953	1677	10·2207047 10·2205370	9·8768515 9·8771144	2629	10·1231485 10·1228856	10.0975562 10.0976514	952	9·9024438 9·9023486	1 0
	1 0	2 1,01000			2 0.11411			2		, 000000	
	1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	1

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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	D.	Cosine	,
0	9.7794630		10.2205370	9.8771144		10.1228856	10.0976514		9.9023486	60
1	9.7796306	1676	10-2203694	9.8773772	2628	10 1226228	10.0977466	952	9.9022534	59
2	9.7797981	1675 1674	10.2202019	9.8776400	2628 2627	10.1223600	10.0978419	953 953	9.9021581	58
3	9.7799655	1673	10.2200345	9.8779027	2627	10.1220973	10.0979372	954	9*9020628	57 56
5	9.7801328	1672	10.2198672 10.2197000	9·8781654 9·8784281	2627	10·1218346 10·1215719	10.0980326 10.0981281	955	9·9019674 9·9018719	55
6	9.7804671	1671			2626	10.1213093	10.0982236	955		54
7	9.7806341	1670	10·2195329 10·2193659	9·8786907 9·8789533	2626	10 1210467	10.0983192	956	9·9017764 9·9016808	53
8	9.7808010	1669 1667	10.2191990	9.8792158	2625 2624	10.1207842	10.0984148	956 957	9.9015852	52
9	9.7809677	1667	10.2190323	9.8794782	2625	10.1205218	10.0985105	957	9.9014895	51
	9.7811344	1666	10.2188656	9.8797407	2624	10.1202593	10.0986062	958	9.9013938	
11 12	9.7813010	1665	10.2186990	9.8800031	2623	10·1199969 10·1197346	10·0987020 10·0987979	959	9*9012980	49 48
13	9·7814675 9·7816339	1664	10·2185325 10·2183661	9·8802654 9·8805277	2623	10.1194723	10.0988938	959	9·9012021 9·9011062	47
14	9.7818002	1663 1662	10.2181998	9.8807900	2623	10.1192100	10.0989898	960 960	9.9010102	46
15	9.7819664	1660	10 *2180336	9.8810522	2622 2622	10.1189478	10.0990858	961	9.9009142	45
16	9.7821324	1660	10.2178676	9.8813144	2621	10.1186856	10.0991819	962	9.9008181	44
17	9.7822984	1659	10.2177016	9.8815765	2621	10:1184235	10:0092781	962	9.9007219	43
18	9·7824643 9·7826301	1658	10·2175357 10·2173699	9·8818386 9·8821007	2621	10·1181614 10·1178993	10·0993743 10·0994706	963	9·9006257 9·9005294	41
20	9.7827958	1657	10.2172042	9.8823627	2620	10.1176373	10.0995669	963	9.9004331	40
21	9.7829614	1656	10.2170386	9.8826246	2619	10.1173754	10.0996633	964	9.9003367	39
22	9.7831268	1654 1654	10.2168732	9.8828866	2620	10.1171134	10.0997597	964 965	9.9002403	38
23	9.7832922	1653	10.2167078	9.8831484	2618 2619	10.1168516	10.0998562	966	9.9001438	37
24 25	9·7834575 9·7836227	1652	10·2165425 10·2163773	9·8834103 9·8836721	2618	10·1165897 10·1163279	10·0999528 10·1000494	966	9-9000472 9-8999506	36 35
26		1651			2617			967		34
27	9·7837878 9·7839528	1650	10·2162122 10·2160472	9·8839338 9·8841956	2618	10°1160662 10°1158044	10·1001461 10·1002428	967	9·8998539 9·8997572	33
28	9.7841177	1649	10.2158823	9.8844572	2616	10.1155428	10.1003396	968	9.8996604	32
29	9.7842824	1647 1647	10.2157176	9.8847189	2617 2616	10.1152811	10.1004364	968 969	9.8995636	31
30	9.7844471	1646	10.2155529	9.8849805	2615	10.1150195	10.1005333	970	9.8994667	30
31	9.7846117	1645	10.2153883	9.8852420	2615	10.1147580	10.1006303	970	9.8993697	29
32	9.7847762 9.7849406	1644	10·2152238 10·2150594	9·8855035 9·8857650	2615	10·1144965 10·1142350	10·1007273 10·1008244	971	9·8992727 9·8991756	28 27
34	9.7851049	1643	10.2148951	9.8860264	2614	10.1139736	10.1009216	972	9.8990784	26
35	9.7852691	1642 1641	10.2147309	9.8862878	2614 2614	10.1137122	10.1010188	972 972	9.8989812	25
36	9.7854332	1640	10.2145668	9.8865492	2613	10.1134508	10.1011160	973	9.8988840	24
37	9.7855972	1639	10.2144028	9.8868105	2613	10.1131895	10.1012133	974	9.8987867	23 22
38	9.7857611	1638	10·2142389 10·2140751	9·8870718 9·8873330	2612	10·1129282 10·1126670	10·1013107 10·1014081	974	9·8986893 9·8985919	21
40	9.7860886	1637	10.5139114	9.8875942	2612	10.1124058	10.1015056	975	9.8984944	20
41	9.7862522	1636	10.2137478	9.8878554	2612	10.1121446	10.1016032	976	9.8983968	19
42	9.7864157	1635 1634	10.2135843	9.8881165	2611 2610	10.1118835	10.1017008	976	9.8982992	18
43	9.7865791	1633	10.2134209	9.8883775	2611	10.1116225	10.1017985	977 977	9.8982015	17
44	9·7867424 9·7869056	1632	10·2132576 10·2130944	9.8886386 9.8888996	2610	10·1113614 10·1111004	10·1018962 10·1019940	978	9·8981038 9·8980060	16 15
46		1631			2609			978		14
46	9·7870687 9·7872317	1630	10·2129313 10·2127683	9.8891605 9.8894214	2609	10·1108395 10·1105786	10·1020918 10·1021897	979	9·8979082 9·8978103	13
48	9.7873946	1629 1628	10.2126054	9.8896823	2609 2609	10.1103177	10.1022877	980	9.8977123	12
49	9.7875574	1628	10.2124426	9.8899432	2608	10.1100568	10.1023857	980 981	9.8976143	11
50	9.7877202	1626	10.2122798	9.8902040	2607	10.1097960	10.1024838	981	9.8975162	10
51 52	9·7878828 9·7880453	1625	10·2121172 10·2119547	9.8904647	2607	10.1095353	10:1025819	982	9.8974181	9
53	9.7882077	1624	10.2119947	9·8907254 9·8909861	2607	10·1092746 10·1090139	10·1026801 10·1027784	983	9·8973199 9·8972216	7
54	9.7883701	1624 1622	10.2116299	9.8912468	2607 2606	10.1087532	10.1028767	983 984	9.8971233	8 7 6 5
55	9.7885323	1621	10.2114677	9.8915074	2605	10.1084926	10.1029751	984	9.8970249	5
56	9.7886944	1621	10.2113056	9.8917679	2606	10.1082321	10.1030735	985	9.8969265	4
57	9·7888565 9·7890184	1619	10·2111435 10·2109816	9·8920285 9·8922890	2605	10·1079715 10·1077110	10·1031720 10·1032706	986	9·8968280 9·8967294	3 2 1
59	9.7891802	1618	10.2109816	9.8922890	2604	10.1077110	10.1032706	986	9.8967294	ī
60	9.7893420	1618	10.2106580	9.8928098	2604	10.1071902	10.1034679	987	9.8965321	0
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	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	D.	Sine	
	1									

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,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0 1 2 3	9·7893420 9·7895036 9·7896652 9·7898266	1616 1616 1614 1614	10·2106580 10·2104964 10·2103348 10·2101734	9·8928098 9·8930702 9·8933306 9·8935909	2604 2604 2603 2602	10·1071902 10·1069298 10·1066694 10·1064091	10·1034679 10·1035666 10·1036654 10·1037642	987 988 988 989	9·8965321 9·8964334 9·8963346 9·8962358	60 59 58 57
5 6	9.7899880 9.7901493 9.7903104	1613 1611	10·2100120 10·2098507 10·2096896	9·8938511 9·8941114 9·8943715	2603 2601	10·1061489 10·1058886 10·1056285	10·1038631 10·1039621 10·1040611	990	9·8961369 9·8960379 9·8959389	56 55 54
7 8 9 10	9·7904715 9·7906325 9·7907933 9·7909541	1611 1610 1608 1608 1607	10·2095285 10·2093675 10·2092067 10·2090459	9.8946317 9.8948918 9.8951519 9.8954119	2602 2601 2601 2600 2600	10·1053683 10·1051082 10·1048481 10·1045881	10·1041602 10·1042594 10·1043586 10·1044578	991 992 992 992 993	9·8958398 9·8957406 9·8956414 9·8955422	53 52 51 50
11 12 13 14 15	9·7911148 9·7912754 9·7914359 9·7915963 9·7917566	1606 1605 1604 1603	10·2088852 10·2087246 10·2085641 10·2084037 10·2082434	9.8956719 9.8959319 9.8961918 9.8964517 9.8967116	2600 2599 2599 2599	10°1043281 10°1040681 10°1038082 10°1035483 10°1032884	10·1045571 10·1046565 10·1047560 10·1048555 10·1049550	994 995 995 995	9:8954429 9:8953435 9:8952440 9:8951445 9:8950450	49 48 47 46 45
16 17 18 19	9·7919168 9·7920769 9·7922369 9·7923968	1602 1601 1600 1599 1598	10·2080832 10·2079231 10·2077631 10·2076032	9.8969714 9.8972312 9.8974910 9.8977507	2598 2598 2598 2597 2597	10·1030286 10·1027688 10·1025090 10·1022493	10·1050547 10·1051543 10·1052541 10·1053539	997 996 998 998 998	9·8949453 9·8948457 9·8947459 9·8946461	44 43 42 41
20 21 22 23 24	9·7925566 9·7927163 9·7928760 9·7930355 9·7931949	1597 1597 1595 1594 1594	10·2074434 10·2072837 10·2071240 10·2069645 10·2068051	9·8980104 9·8982700 9·8985296 9·8987892 9·8990487	2596 2596 2596 2595 2595	10·1019896 10·1017300 10·1014704 10·1012108 10·1009513	10·1054537 10·1055537 10·1056536 10·1057537 10·1058538	999 1001 1001 1001	9·8945463 9·8944463 9·8943464 9·8942463 9·8941462	39 38 37 36
25 26 27 28 29	9·793543 9·7935135 9·7936727 9·7938317 9·7939907	1592 1592 1590 1590	10°206457 10°2064865 10°2063273 10°2061683 10°2060093	9.8993082 9.8995677 9.8998271 9.9000865 9.9003459	2595 2594 2594 2594	10·1006918 10·1004323 10·1001729 10·0999135 10·0996541	10·1059539 10·1060542 10·1061544 10·1062548 10·1063552	1003 1002 1004 1004	9.8940461 9.8939458 9.8938456 9.8937452 9.8936448	35 34 33 32 31
30 31	9·7941496 9·7943083	1589 1587 1587	10·2058504 10·2056917	9·9006052 9·9008645	2593 2593 2592	10·0993948 10·0991355	10·1064556 10·1065561	1004 1005 1006	9·8935444 9·8934439	30 29
32 33 34 35	9·7944670 9·7946256 9·7947841 9·7949425	1586 1585 1584 1583	10·2055330 10·2053744 10·2052159 10·2050575	9°9011237 9°9013830 9°9016422 9°9019013	2593 2592 2591 2591	10.0988763 10.0986170 10.0983578 10.0980987	10·1066567 10·1067574 10·1068581 10·1069588	1007 1007 1007 1008	9.8933433 9.8932426 9.8931419 9.8930412	28 27 26 25
36 37 38 39 40	9·7951008 9·7952590 9·7954171 9·7955751 9·7957330	1582 1581 1580 1579 1579	10·2048992 10·2047410 10·2045829 10·2044249 10·2042670	9·9021604 9·9024195 9·9026786 9·9029376 9·9031966	2591 2591 2590 2590 2589	10·0978396 10·0975805 10·0973214 10·0970624 10·0968034	10·1070596 10·1071605 10·1072615 10·1073625 10·1074635	1009 1010 1010 1010 1011	9:8929404 9:8928395 9:8927385 9:8926375 9:8925365	24 23 22 21 20
41 42 43 44 45	9·7958909 9·7960486 9·7962062 9·7963638 9·7965212	1577 1576 1576 1574 1574	10°2041091 10°2039514 10°2037938 10°2036362 10°2034788	9.9034555 9.9037144 9.9039733 9.9042321 9.9044910	2589 2589 2588 2589	10°0965445 10°0962856 10°0960267 10°0957679 10°0955090	10·1075646 10·1076658 10·1077671 10·1078684 10·1079697	1012 1013 1013 1013	9.8924354 9.8923342 9.8922329 9.8921316 9.8920303	19 18 17 16 15
46 47 48 49 50	9·7966786 9·7968359 9·7969930 9·7971501 9·7973071	1573 1571 1571 1570	10·2033214 10·2031641 10·2030070 10·2028499 10·2026929	9*9047497 9*9050085 9*9052672 9*9055259 9*9057845	2587 2588 2587 2587 2586	10°0952503 10°0949915 10°0947328 10°0944741 10°0942155	10·1080711 10·1081726 10·1082742 10·1083758 10·1084774	1014 1015 1016 1016 1016	9·8919289 9·8918274 9·8917258 9·8916242 9·8915226	14 13 12 11 10
51 52 53 54 55	9·7974640 9·7976208 9·7977775 9·7979341 9·7980906	1569 1568 1567 1566 1565	10·2025360 10·2023792 10·2022225 10·2020659 10·2019094	9·9060431 9·9063017 9·9065603 9·9068188 9·9070773	2586 2586 2586 2585 2585	10°0939569 10°0936983 10°0934397 10°0931812 10°0929227	10·1085792 10·1086809 10·1087828 10·1088847 10·1089867	1018 1017 1019 1019 1020	9·8914208 9·8913191 9·8912172 9·8911153 9·8910133	9 8 7 6 5
56 57 58 59	9.7982470 9.7984034 9.7985596 9.7987158	1564 1562 1562 1560	10°2017530 10°2015966 10°2014404 10°2012842	9·9073357 9·9075941 9·9078525 9·9081109	2584 2584 2584 2584 2583	10.0926643 10.0924059 10.0921475 10.0918891	10·1090887 10·1091908 10·1092929 10·1093951	1020 1021 1021 1022 1023	9.8909113 9.8908092 9.8907071 9.8906049	4 3 2 1
60	9.7988718 Cosine	Diff.	10:2011282 Secant	9.9083692 Cotang.	Diff.	10.0916308 Tang.	10·1094974 Cosec.	Diff.	9·8905026 Sine	0

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	,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
	0 1 2 3 4 5	9·7988718 9·7990278 9·7991836 9·7993394 9·7994951	1560 1558 1558 1557 1556	10·2011282 10·2009722 10·2008164 10·2006606 10·2005049	9·9083692 9·9086275 9·9088858 9·9091440 9·9094022	2583 2583 2582 2582 2582 2581	10.0916308 10.0913725 10.0911142 10.0908560 10.0905978	10·1094974 10·1095997 10·1097021 10·1098046 10·1099071	1023 1024 1025 1025 1026	9·8905026 9·8904003 9·8902979 9·8901954 9·8900929	60 59 58 57 56
	6 7 8 9 10	9·7996507 9·7998062 9·7999616 9·8001169 9·8002721 9·8004272	1555 1554 1553 1552 1551 1551	10·2003493 10·2001938 10·2000384 10·1998831 10·1997279 10·1995728	9·9096603 9·9099185 9·9101766 9·9104347 9·9106927 9·9109507	2582 2581 2581 2580 2580 2580	10·0903397 10·0900815 10·0898234 10·0895653 10·0893073 10·0890493	10·1100097 10·1101123 10·1102150 10·1103178 10·1104206 10·1105235	1026 1027 1028 1028 1029 1029	9·8899903 9·8898877 9·8897850 9·8896822 9·8895794 9·8894765	55 54 53 52 51 50
	11 12 13 14 15	9·8005823 9·8007372 9·8008921 9·8010468 9·8012015 9·8013561	1549 1549 1547 1547 1546	10·1994177 10·1992628 10·1991079 10·1989532 10·1987985	9·9112087 9·9114666 9·9117245 9·9119824 9·9122403	2579 2579 2579 2579 2579 2578	10:0887913 10:0885334 10:0882755 10:0880176 10:0877597	10·1106264 10·1107294 10·1108325 10·1109356 10·1110388	1030 1031 1031 1032 1032	9·8893736 9·8892706 9·8891675 9·8890644 9·8889612	49 48 47 46 45
	17 18 19 20 21	9·8013561 9·8015106 9·8016649 9·8018192 9·8019735	1545 1543 1543 1543 1541	10·1986439 10·1984894 10·1983351 10·1981808 10·1980265 10·1978724	9-9124981 9-9127559 9-9130137 9-9132714 9-9135291 9-9137868	2578 2578 2577 2577 2577	10.0875019 10.0872441 10.0869863 10.0867286 10.0864709 10.0862132	10:111420 10:1112453 10:1113487 10:1114521 10:1115556 10:1116592	1033 1034 1034 1035 1036	9.888580 9.8887547 9.8886513 9.8885479 9.8884444 9.8883408	44 43 42 41 40 39
-	22 23 24 25 26	9·8022816 9·8024355 9·8025894 9·8027431 9·8028968	1540 1539 1539 1537 1537	10·1977184 10·1975645 10·1974106 10·1972569 10·1971032	9·9140444 9·9143020 9·9145596 9·9148171 9·9150747	2576 2576 2576 2575 2576	10·0859556 10·0856980 10·0854404 10·0851829 10·0849253	10·1117628 10·1118665 10·1119702 10·1120740 10·1121779	1036 1037 1037 1038 1039	9·8882372 9·8881335 9·8880298 9·8879260 9·8878221	38 37 36 35 34
	27 28 29 30	9·8030504 9·8032038 9·8033572 9·8035105 9·8036637	1536 1534 1534 1533 1532	10·1969496 10·1967962 10·1966428 10·1964895 10·1963363	9·9153322 9·9155896 9·9158471 9·9161045 9·9163618	2575 2574 2575 2574 2573	10.0846678 10.0844104 10.0841529 10.0838955 10.0836382	10·1122818 10·1123858 10·1124898 10·1125939 10·1126981	1039 1040 1040 1041 1042	9·8877182 9·8876142 9·8875102 9·8874061 9·8873019	33 32 31 30 29
	32 33 34 35	9·8038168 9·8039699 9·8041228 9·8042757 9·8044284	1531 1531 1529 1529 1527	10·1961832 10·1960301 10·1958772 10·1957243 10·1955716	9·9166192 9·9168765 9·9171338 9·9173911 9·9176483	2574 2573 2573 2573 2572	10.0833808 10.0831235 10.0828662 10.0826089 10.0823517	10·1128023 10·1129066 10·1130110 10·1131154 10·1132199	1042 1043 1044 1044 1045	9·8871977 9·8870934 9·8869890 9·8868846 9·8867801	28 27 26 25 24
	37 38 39 40 41	9·8045811 9·8047336 9·8048861 9·8050385 9·8051908	1527 1525 1525 1524 1523	10·1954189 10·1952664 10·1951139 10·1949615 10·1948092	9·9179055 9·9181627 9·9184198 9·9186769 9·9189340	2572 2572 2571 2571 2571	10.0820945 10.0818373 10.0815802 10.0813231 10.0810660	10·1133244 10·1134290 10·1135337 10·1136384 10·1137432	1045 1046 1047 1047 1048	9·8866756 9·8865710 9·8864663 9·8863616 9·8862568	23 22 21 20 19
	42 43 44 45	9·8053430 9·8054951 9·8056472 9·8057991 9·8059510	1522 1521 1521 1519 1519	10·1946570 10·1945049 10·1943528 10·1942009	9·9191911 9·9194481 9·9197051 9·9199621	2571 2570 2570 2570 2570 2570	10.0808089 10.0805519 10.0802949 10.0800379	10·1138481 10·1139530 10·1140580 10·1141630	1049 1049 1050 1050 1051	9.8861519 9.8860470 9.8859420 9.8858370	18 17 16 15
	46 47 48 49 50	9·8061027 9·8062544 9·8064060 9·8065575	1517 1517 1516 1515 1514	10·1940490 10·1938973 10·1937456 10·1935940 10·1934425	9·9202191 9·9204760 9·9207329 9·9209898 9·9212466	2569 2569 2569 2568 2568	10·0797809 10·0795240 10·0792671 10·0790102 10·0787534	10·1142681 10·1143733 10·1144785 10·1145838 10·1146891	1052 1052 1053 1053 1054	9·8857319 9·8856267 9·8855215 9·8854162 9·8853109	14 13 12 11 10
	51 52 53 54 55	9.8067089 9.8068602 9.8070114 9.8071626 9.8073136	1513 1512 1512 1510 1510	10·1932911 10·1931398 10·1929886 10·1928374 10·1926864	9·9215034 9·9217602 9·9220170 9·9222737 9·9225304	2568 2568 2567 2567 2567	10.0784966 10.0782398 10.07779830 10.0777263 10.0774696	10:1147945 10:1149000 10:1150055 10:1151111 10:1152168	1055 1055 1056 1057 1057	9.8852055 9.8851000 9.8849945 9.8848889 9.8847832	9 8 7 6 5
	57 58 59 60	9.8074646 9.8076154 9.8077662 9.8079169 9.8080675	1508 1508 1507 1506	10·1925354 10·1923846 10·1922338 10·1920831 10·1919325	9·9227871 9·9230437 9·9233004 9·9235570 9·9238135	2566 2567 2566 2565	10·0772129 10·0769563 10·0766996 10·0764430 10·0761865	10:1153225 10:1154283 10:1155341 10:1156401 10:1157460	1058 1058 1060 1059	9.8846775 9.8845717 9.8844659 9.8843599 9.8842540	4 3 2 1 0
	,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	
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	40 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0 1 2 3	9·8080675 9·8082180 9·8083684 9·8085188	1505 1504 1504	10·1919325 10·1917820 10·1916316 10·1914812	9-9238135 9-9240701 9-9243266 9-9245831	2566 2565 2565	10.0761865 10.0759299 10.0756734 10.0754169	10·1157460 10·1158521 10·1159582 10·1160643	1061 1061 1061	9.8842540 9.8841479 9.8840418 9.8839357	60 59 58 57
5	9·8086690 9·8088192	1502 1502 1500	10·1913310 10·1911808	9·9248396 9·9250960	2565 2564 2564	10·0751604 10·0749040	10·1161706 10·1162768	1063 1062 1064	9·8838294 9·8837232	56 55
6 7 8 9	9·8089692 9·8091192 9·8092691 9·8094189	1500 1499 1498	10·1910308 10·1908808 10·1907309 10·1905811	9·9253524 9·9256088 9·9258652 9·9261215	2564 2564 2563	10.0746476 10.0743912 10.0741348 10.0738785	10·1163832 10·1164896 10·1165961 10·1167026	1064 1065 1065	9.8836168 9.8835104 9.8834039 9.8832974	54 53 52 51
10	9·8095686 9·8097182	1497 1496	10.1904314	9·9263778 9·9266341	2563 2563	10.0736222	10.1168092	1066 1067	9·8831908 9·8830841	50
12 13 14 15	9·8098678 9·8100172 9·8101666 9·8103159	1496 1494 1494 1493	10·1901322 10·1899828 10·1898334 10·1896841	9·9268904 9·9271466 9·9274028 9·9276590	2563 2562 2562 2562	10·0731096 10·0728534 10·0725972 10·0723410	10·1170226 10·1171294 10·1172362 10·1173432	1067 1068 1068 1070	9·8829774 9·8828706 9·8827638 9·8826568	48 47 46 45
16 17	9·8104650 9·8106141	1491	10·1895350 10·1893859	9·9279152 9·9281713	2562 2561	10·0720848 10·0718287	10·1174501 10·1175572	1069 1071	9·8825499 9·8824428	44 43
18 19 20	9·8107631 9·8109121 9·8110609	1490 1490 1488 1487	10·1892369 10·1890879 10·1889391	9·9284274 9·9286835 9·9289396	2561 2561 2561 2560	10·0715726 10·0713165 10·0710604	10·1176643 10·1177715 10·1178787	1071 1072 1072 1073	9·8823357 9·8822285 9·8821213	42 41 40
21 22 23	9·8112096 9·8113583 9·8115069	1487 1486	10·1887904 10·1886417 10·1884931	9·9291956 9·9294516 9·9297076	2560 2560	10.0708044 10.0705484 10.0702924	10·1179860 10·1180933 10·1182008	1073 1075	9·8820140 9·8819067 9·8817992	39 38 37
24 25	9·8116554 9·8118038	1485 1484 1483	10·1883446 10·1881962	9·9299636 9·9302195	2560 2559 2560	10·0700364 10·0697805	10·1183082 10·1184158	1074 1076 1076	9·8816918 9·8815842	36 35
26 27 28	9·8119521 9·8121003 9·8122484	1482 1481 1481	10·1880479 10·1878997 10·1877516	9.9304755 9.9307314 9.9309872	2559 2558 2559	10.0695245 10.0692686 10.0690128	10·1185234 10·1186311 10·1187388	1077 1077 1078	9·8814766 9·8813689 9·8812612	34 33 32
29 30 31	9·8123965 9·8125444 9·8126923	1479 1479	10·1876035 10·1874556 10·1873077	9·9312431 9·9314989 9·9317547	2558 2558	10.0687569 10.0685011 10.0682453	10·1188466 10·1189545 10·1190624	1079 1079	9·8811534 9·8810455 9·8809376	31 30 29
32 33 34	9·8128401 9·8129878 9·8131354	1478 1477 1476	10·1871599 10·1870122 10·1868646	9·9320105 9·9322662 9·9325220	2558 2557 2558	10.0679895 10.0677338 10.0674780	10·1191704 10·1192785 10·1193866	1080 1081 1081	9.8808296 9.8807215 9.8806134	28 27 26
35	9·8132829 9·8134303	1475 1474	10.1867171	9·9327777 9·9330334	2557 2557	10.0672223	10.1194948	1082 1082	9·8805052 9·8803970	25 24
37 38 39 40	9·8135777 9·8137250 9·8138721	1474 1473 1471 1471	10·1864223 10·1862750 10·1861279	9.9332890 9.9335446 9.9338003	2556 2556 2557 2556	10.0667110 10.0664554 10.0661997	10·1197113 10·1198197 10·1199281	1083 1084 1084 1085	9.8802887 9.8801803 9.8800719	23 22 21
41 42	9·8140192 9·8141662 9·8143131	1470 1469	10·1859808 10·1858338 10·1856869	9.9340559 9.9343114 9.9345670	2555 2556	10.0659441 10.0656886 10.0654330	10·1200366 10·1201452 10·1202538	1086 1086	9·8799634 9·8798548 9·8797462	19
43 44 45	9·8144600 9·8146067 9·8147534	1469 1467 1467	10·1855400 10·1853933 10·1852466	9.9348225 9.9350780 9.9353335	2555 2555 2555	10.0651775 10.0649220 10.0646665	10·1202533 10·1203625 10·1204713 10·1205801	1087 1088 1088	9·8796375 9·8795287 9·8794199	18 17 16 15
46 47	9·8148999 9·8150464	1465 1465 1464	10·1851001 10·1849536	9·9355889 9·9358444	2554 2555 2554	10.0644111 10.0641556	10·1206890 10·1207979	1089 1089 1091	9·8793110 9·8792021	14 13
48 49 50	9·8151928 9·8153391 9·8154854	1463 1463 1461	10·1848072 10·1846609 10·1845146	9·9360998 9·9363552 9·9366105	2554 2553 2554	10.0639002 10.0636448 10.0633895	10·1209070 10·1210160 10·1211252	1090 1092 1092	9·8790930 9·8789840 9·8788748	12 11 10
51 52 53	9·8156315 9·8157776 9·8159235	1461 1459	10·1843685 10·1842224 10·1840765	9-9368659 9-9371212 9-9373765	2553 2553	10.0631341 10.0628788 10.0626235	10·1212344 10·1213437 10·1214530	1093 1093	9·8787656 9·8786563 9·8785470	9 8 7 6
54 55	9·8160694 9·8162152	1459 1458 1457	10·1839306 10·1837848	9·9376318 9·9378871	2553 2553 2552	10·0623682 10·0621129	10·1215624 10·1216719	1094 1095 1095	9·8784376 9·8783281	5
56 57 58	9·8163609 9·8165066 9·8166521	1457 1455 1454	10·1836391 10·1834934 10·1833479	9·9381423 9·9383975 9·9386527	2552 2552 2552	10.0618577 10.0616025 10.0613473	10·1217814 10·1218910 10·1220006	1096 1096 1098	9·8782186 9·8781090 9·8779994	3 2 1
59 60	9·8167975 9·8169429	1454	10·1832025 10·1830571	9°9389079 9°9391631	2552	10.0610921 10.0608369	10·1221104 10·1222201	1097	9·8778896 9·8777799	0
1	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	1

	41 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0	9·8169429	1453	10·1830571	9·9391631	2551	10.0608369	10·1222201	1099	9·8777799	60
1	9·8170882	1452 °	10·1829118	9·9394182	2551	10.0605818	10·1223300	1099	9·8776700	59
2	9·8172334	1451	10·1827666	9·9396733	2551	10.0603267	10·1224399	1100	9·8775601	58
3	9·8173785	1450	10·1826215	9·9399284	2551	10.0600716	10·1225499	1100	9·8774501	57
4	9·8175235	1450	10·1824765	9·9401835	2550	10.0598165	10·1226599	1101	9·8773401	56
5	9·8176685	1448	10·1823315	9·9404385	2551	10.0595615	10·1227700	1102	9·8772300	55
6	9·8178133	1448	10·1821867	9·9406936	2550	10.0593064	10·1228802	1102	9·8771198	54
7	9·8179581	1447	10·1820419	9·9409486	2550	10.0590514	10·1229904	1103	9·8770096	53
8	9·8181028	1446	10·1818972	9·9412036	2549	10.0587964	10·1231007	1104	9·8768993	52
9	9·8182474	1445	10·1817526	9·9414585	2550	10.0585415	10·1232111	1104	9·8767889	51
10	9·8183919	1445	10·1816081	9·9417135	2549	10.0582865	10·1233215	1105	9·8766785	50
11	9·8185364	1443	10·1814636	9 9419684	2549	10.0580316	10·1234320	1106	9·8765680	49
12	9·8186807	1443	10·1813193	9 9422233	2549	10.0577767	10·1235426	1106	9·8764574	48
13	9·8189250	1442	10·1811750	9 9424782	2549	10.0575218	10·1236532	1107	9·8763468	47
14	9·8189692	1441	10·1810308	9 9427331	2548	10.0572669	10·1237639	1108	9·8762361	46
15	9·8191133	1440	10·1808867	9 9429879	2549	10.0570121	10·1238747	1108	9·8761253	45
16	9·8192573	1439	10·1807427	9-9432428	2548	10.0567572	10·1239855	1109	9·8760145	44
17	9·8194012	1438	10·1805988	9-9434976	2548	10.0565024	10·1240964	1109	9·8759036	43
18	9·8195450	1438	10·1804550	9-9437524	2548	10.0562476	10·1242073	1111	9·8757927	42
19	9·8196888	1437	10·1803112	9-9440072	2547	10.0559928	10·1243184	1110	9·8756816	41
20	9·8198325	1436	10·1801675	9-9442619	2547	10.0557381	10·1244294	1112	9·8755706	40
21	9·8199761	1435	10·1800239	9·9445166	2548	10.0554834	10·1245406	1112	9·8754594	39
22	9·8201196	1434	10·1798804	9·9447714	2547	10.0552286	10·1246518	1113	9·8753482	38
23	9·8202630	1433	10·1797370	9·9450261	2546	10.0549739	10·1247631	1113	9·8752369	37
24	9·8204063	1433	10·1795937	9·9452807	2547	10.0547193	10·1248744	1114	9·8751256	36
25	9·8205496	1431	10·1794504	9·9455354	2546	10.0544646	10·1249858	1115	9·8750142	35
26	9·8206927	1431	10·1793073	9-9457900	2547	10.0542100	10·1250973	1115	9·8749027	34
27	9·8208358	1430	10·1791642	9-9460447	2546	10.0539553	10·1252088	1117	9·8747912	33
28	9·8209788	1429	10·1790212	9-9462993	2546	10.0537007	10·1253205	1116	9·8746795	32
29	9·8211217	1429	10·1788783	9-9465539	2545	10.0534461	10·1254321	1118	9·8745679	31
30	9·8212646	1427	10·1787354	9-9468084	2546	10.0531916	10·1255439	1118	9·8744561	30
31	9·8214073	1427	10·1785927	9°9470630	2545	10.0529370	10·1256557	1118	9·8743443	29
32	9·8215500	1426	10·1784500	9°9473175	2545	10.0526825	10·1257675	1120	9·8742325	28
33	9·8216926	1425	10·1783074	9°9475720	2545	10.0524280	10·1258795	1120	9·8741205	27
34	9·8218351	1424	10·1781649	9°9478265	2545	10.0521735	10·1259915	1120	9·8740085	26
35	9·8219775	1423	10·1780225	9°9480810	2545	10.0519190	10·1261035	1121	9·8738965	25
36	9.8221198	1423	10·1778802	9*9483355	2544	10.0516645	10·1262156	1122	9·8737844	24
37	9.8222621	1421	10·1777379	9*9485899	2544	10.0514101	10·1263278	1123	9·8736722	23
38	9.8224042	1421	10·1775958	9*9488443	2544	10.0511557	10·1264401	1123	9·8735599	22
39	9.8225463	1420	10·1774537	9*9490987	2544	10.0509013	10·1265524	1124	9·8734476	21
40	9.8226883	1419	10·1773117	9*9493531	2544	10.0506469	10·1266648	1125	9·8733352	20
41	9·8228302	1419	10·1771698	9°9496075	2544	10.0503925	10·1267773	1125	9·8732227	19
42	9·8229721	1417	10·1770279	9°9498619	2543	10.0501381	10·1268898	1126	9·8731102	18
43	9·8231138	1417	10·1768862	9°9501162	2543	10.0498838	10·1270024	1127	9·8729976	17
44	9·8232555	1416	10·1767445	9°9503705	2543	10.0496295	10·1271151	1127	9·8728849	16
45	9·8233971	1415	10·1766029	9°9506248	2543	10.0493752	10·1272278	1128	9·8727722	15
46 47 48 49 50	9·8235386 9·8236800 9·8238213 9·8239626 9·8241037	1414 1413 1413 1411 1411	10·1764614 10·1763200 10·1761787 10·1760374 10·1758963	9·9508791 9·9511334 9·9513876 9·9516419 9·9518961	2543 2542 2543 2542 2542 2542	10·0491209 10·0488666 10·0486124 10·0483581 10·0481039	10·1273406 10·1274534 10·1275663 10·1276793 10·1277924	1128 1129 1130 1131 1131	9·8726594 9·8725466 9·8724337 9·8723207 9·8722076	14 13 12 11 10
51 52 53 54 55	9·8242448 9·8243858 9·8245267 9·8246676 9·8248083	1410 1409 1409 1407 1407	10·1757552 10·1756142 10·1754733 10·1753324 10·1751917	9:9521503 9:9524045 9:9526587 9:9529128 9:9531670	2542 2542 2542 2541 2542 2541	10·0478497 10·0475955 10·0473413 10·0470872 10·0468330	10·1279055 10·1280187 10·1281319 10·1282452 10·1283586	1132 1132 1133 1134 1135	9·8720945 9·8719813 9·8718681 9·8717548 9·8716414	9 8 7 6 5
56 57 58 59 60	9·8249490 9·8250896 9·8252301 9·8253705 9·8255109	1406 1405 1404 1404	10·1750510 10·1749104 10·1747699 10·1746295 10·1744891	9°9534211 9°9536752 9°9539293 9°9541834 9°9544374	2541 2541 2541 2540	10.0465789 10.0463248 10.0460707 10.0458166 10.0455626	10·1284721 10·1285856 10·1286992 10·1288128 10·1289265	1135 1136 1136 1137	9·8715279 9·8714144 9·8713008 9·8711872 9·8710735	4 3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	1
										1

_	42 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
10	0.0055700		10.1544001	0.0244074		10-0455000	10.1000005		9.8710735	60
1		1403	10·1744891 10·1743488	9.9544374	2541	10.0455626 10.0453085	10.1289265	1138	9.8709597	59
2		1401	10.1742087	9.9549455	2540	10.0450545	10.1291542	1139	9.8708458	58
1 3		1401		9 9549455	2540	10.0448005	10.1292681	1139	9.8707319	57
1 4		1401	10·1740686 10·1739285	9 9551995	2540	10.0445465	10.1293821	1140	9.8706179	56
1 8		1399	10.1737886	9.9557075	2540	10.0442925	10 1293921	1140	9.8705039	55
1 '	9.8262114	1398	10.1/3/990	8.8991019	2540			1141		
(		1398	10.1736488	9.9559615	2539	10.0440385	10.1296102	1142	9.8703898	54
3		1397	10.1735090	9.9562154	2540	10.0437846	10.1297244	1143	9.8702756	53
8		1396	10.1733693	9.9564694	2539	10.0435306	10.1298387	1143	9.8701613	52
1 8		1395	10.1732297	9.9567233	2539	10.0432767	10.1299530	1144	9.8700470	51
10	9.8269098	1395	10.1730902	9.9569772	2539	10.0430228	10.1300674	1144	9.8699326	50
1	9.8270493		10.1729507	9.9572311		10.0427689	10.1301818	1145	9.8698182	49
15	9.8271887	1394	10.1728113	9.9574850	2539	10.0425150	10.1302963		9.8697037	48
1:		1392	10.1726721	9.9577389	2539	10.0422611	10.1304109	1146	9.8695891	47
14	9.8274671	1392	10.1725329	9.9579927	2538	10.0420073	10.1305256	1147	9.8694744	46
1:	9.8276063	1392	10.1723937	9.9582465	2538 2539	10.0417535	10.1306403	1147 1148	9.8693597	45
10	9.8277453	1390	10.1722547	9.9585004		10.0414996	10.1307551		9.8692449	44
1		1390	10 1722047	9.9587542	2538	10.0412458	10.1308699	1148	9.8691301	43
11		1388	10.1719769	9.9590080	2538	10.0409920	10.1309848	1149	9.8690152	42
19	9 9.8281619	1388	10.1718381	9.9592618	2538	10.0407382	10.1310998	1150	9.8689002	41
20	9.8283006	1387	10.1716994	9.9595155	2537	10.0404845	10.1312149	1151	9.8687851	40
		1387			2538			1151		
2		1385	10.1715607	9.9597693	2537	10.0402307	10.1313300	1152	9.8686700	39
2		1385	10.1714222	9.9600230	2537	10.0399770	10.1314452	1152	9.8685548	37
2		1384	10.1712837	9.9602767	2538	10.0397233	10.1315604	1154	9.8684396	36
2 2		1383	10:1711453	9.9605305	2537	10.0394695 10.0392158	10.1316758	1154	9.8683242 9.8682088	35
		1382	10.1710070	9.9607842	2536		10.1317912	1154		
2		1382	10.1708688	9.9610378	2537	10.0389622	10.1319066	1155	9.8680934	34
2		1381	10.1707306	9.9612915	2537	10.0387085	10.1320221	1156	9.8679779	33
2		1379	10.1705925	9.9615452	2536	10.0384548	10.1321377	1157	9.8678623	32
2		1270	10.1704546	9.9617988	2537	10.0382012	10.1322534	1157	9.8677466	31
3	0 9.8296833	1379	10.1703167	9.9620525	2536	10.0379475	10.1323691	1158	9.8676309	30
3	9.8298212		10.1701788	9.9623061		10.0376939	10.1324849		9.8675151	29
3		13//	10.1700411	9 9625597	2536	10.0374403	10.1326008	1159	9.8673992	28
3		1377	10.1699034	9.9628133	2536 2536	10.0371867	10.1327167	1159 1160	9.8672833	27
3	4 9.8302342	1376	10.1697658	9.9630669	2535	10.0369331	10.1328327	1161	9.8671673	26
3	5 9.8303717	1375 1374	10.1696283	9.9633204	2536	10.0366796	10.1329488	1161	9.8670512	25
3	6 9.8305091		10.1694909	9.9635740		10.0364260	10.1330649		9.8669351	24
3		1373	10.1693536	9.9638275	2535	10.0361725	10.1331811	1162	9.8668189	23
3		1373	10.1692163	9.9640811	2536	10.0359189	10.1332974	1163	9.8667026	22
3		1372	10.1690791	9.9643346	2535	10.0356654	10.1334137	1163	9.8665863	21
4		1371	10.1689420	9.9645881	2535	10.0354119	10.1335301	1164	9.8664699	20
		1370			2535			1165		
4			10.1688050	9.9648416	2535	10.0351584	10:1336466	1165	9.8663534	19
	2 9.8313320	1269	10.1686680	9.9650951	2535	10.0349049	10.1337631	1166	9.8662369	18
	3 9.8314688 4 9.8316056	1308	10·1685312 10·1683944	9 · 9653486 9 · 9656020	2534	10°0346514 10°0343980	10·1338797 10·1339964	1167	9·8661203 9·8660036	17 16
	4   9.8316056 5   9.8317423	1307	10.1682577	9 9658555	2535	10 0343930	10 1339904	1168	9.8658868	15
		1300			2534			1168		
	6 9.8318789		10.1681211	9-9661089	2534	10.0338911	10.1342300	1169	9.8657700	14
	7 9.8320155	1264	10.1018949	9.9663623	2534	10.0336377	10.1343469	1169	9.8656531	13
	8 9.8321519	1964	10.1678481	9.9666157	2535	10.0333843	10.1344638	1170	9.8655362	12
	9 9.8322883	1262	10.1677117	9.9668692	2533	10.0331308	10.1345808	1171	9.8654192	11
1 5	0 9.8324246	1363	10 10/5/54	9 9671225	2534	10.0328775	10.1346979	1172	9.8653021	10
	9 8325609	1361	10.1674391	9.9673759	2534	10.0326241	10.1348151	1172	9.8651849	9
	2 9.8326970	1901	10.1673030	9.9676293	2534	10.0323707	10.1349323	1173	9.8650677	8
	3 9.8328331	1960	10.1671669	9.9678827	2533	10.0321173	10.1350496	1173	9.8649504	7
	4 9.8329691	1350	10.1010909	9.9681360	2533	10.0318640	10.1351669	1175	9.8648331	6
1	9.8331050	1358		9.9683893	2534	10.0316107	10.1352844	1175	9.8647156	5
	6 9.8332409	)	10-1007500	9 9686427		10.0313573	10.1354019		9.8645981	4
	9.8333766	1358	10-1866994	9.9688960	2533	10.0311040		1175	9.8644806	3
1	8 9.8335122	1000	10.1664878	9 9691493	2533 2533	10.0308507	10.1356371	1177	9.8643629	2
	9 9.8336478	1350	10.1663522	9.9694026	2533	10.0305974	10.1357548	1177	9.8642452	1
16	9 8337833		10.1662167	9 9696559	2000	10.0303441	10.1358725	1177	9.8641275	0
			-		_					1.
	' Cosine	Diff	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	1
	1									1
- 1	-									

	43 Deg.									-
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0 1 2 3	9·8337833 9·8339188 9·8340541 9·8341894	1355 1353 1353	10·1662167 10·1660812 10·1659459 10·1658106	9:9696559 9:9699091 9:9701624 9:9704157	2532 2533 2533	10.0303441 10.0300909 10.0298376 10.0295843	10·1358725 10·1359904 10·1361083 10·1362263	1179 1179 1180	9:8641275 9:8640096 9:8638917 9:8637737	60 59 58 57
5	9·8343246 9·8344597	1352 1351 1351	10·1656754 10·1655403	9·9706689 9·9709221	2532 2532 2533	10·0293311 10·0290779	10·1363443 10·1364624	1180 1181 1182	9·8636557 9·8635376	56 55
6 7 8 9 10	9.8345948 9.8347297 9.8348646 9.8349994 9.8351341	1349 1349 1348 1347 1347	10·1654052 10·1652703 10·1651354 10·1650006 10·1648659	9·9711754 9·9714286 9·9716818 9·9719350 9·9721882	2532 2532 2532 2532 2531	10·0288246 10·0285714 10·0283182 10·0280650 10·0278118	10·1365806 10·1366989 10·1368172 10·1369356 10·1370540	1183 1183 1184 1184 1186	9:8634194 9:8633011 9:8631828 9:8630644 9:8629460	54 53 52 51 50
11 12 13 14 15	9·8352688 9·8354033 9·8355378 9·8356722 9·8358066	1345 1345 1344 1344 1342	10·1647312 10·1645967 10·1644622 10·1643278 10·1641934	9·9724413 9·9726945 9·9729477 9·9732008 9·9734539	2532 2532 2531 2531 2532	10.0275587 10.0273055 10.0270523 10.0267992 10.0265461	10·1371726 10·1372912 10·1374098 10·1375286 10·1376474	1186 1186 1188 1188 1188	9.8628274 9.8627088 9.8625902 9.8624714 9.8623526	49 48 47 46 45
16 17 18 19 20	9.8359408 9.8360750 9.8362091 9.8363431 9.8364771	1342 1341 1340 1340 1338	10·1640592 10·1639250 10·1637909 10·1636569 10·1635229	9·9737071 9·9739602 9·9742133 9·9744664 9·9747195	2531 2531 2531 2531 2531 2531	10·0262929 10·0260398 10·0257867 10·0255336 10·0252805	10·1377662 10·1378852 10·1380042 10·1381233 10·1382424	1190 1190 1191 1191 1193	9·8622338 9·8621148 9·8619958 9·8618767 9·8617576	44 43 42 41 40
21 22 23 24 25	9·8366109 9·8367447 9·8368784 9·8370121 9·8371456	1338 1337 1337 1335	10·1633891 10·1632553 10·1631216 10·1629879 10·1628544	9·9749726 9·9752257 9·9754787 9·9757318 9·9759849	2531 2530 2531 2531	10.0250274 10.0247743 10.0245213 10.0242682 10.0240151	10·1383617 10·1384810 10·1386003 10·1387197 10·1388392	1193 1193 1194 1195	9.8616383 9.8615190 9.8613997 9.8612803 9.8611608	39 38 37 36 35
26 27 28 29 30	9·8372791 9·8374125 9·8375458 9·8376790 9·8378122	1335 1334 1333 1332 1332	10·1627209 10·1625875 10·1624542 10·1623210 10·1621878	9·9762379 9·9764909 9·9767440 9·9769970 9·9772500	2530 2530 2531 2530 2530	10.0237621 10.0235091 10.0232560 10.0230030 10.0227500	10.1389588 10.1390785 10.1391982 10.1393179 10.1394378	1196 1197 1197 1197 1199	9·8610412 9·8609215 9·8608018 9·8606821 9·8605622	34 33 32 31 30
31 32 33 34 35	9·8379453 9·8380783 9·8382112 9·8383441 9·8384769	1331 1330 1329 1329 1328	10·1620547 10·1619217 10·1617888 10·1616559 10·1615231	9·9775030 9·9777560 9·9780090 9·9782620 9·9785149	2530 2530 2530 2530 2529	10·0224970 10·0222440 10·0219910 10·0217380 10·0214851	10·1395577 10·1396777 10·1397978 10·1399179 10·1400381	1199 1200 1201 1201 1202	9·8604423 9·8603223 9·8602022 9·8600821 9·8599619	29 28 27 26 25
36 37 38 39 40	9·8386096 9·8387422 9·8388747 9·8390072 9·8391396	1327 1326 1325 1325 1324	10·1613904 10·1612578 10·1611253 10·1609928 10·1608604	9·9787679 9·9790209 9·9792738 9·9795268 9·9797797	2530 2530 2529 2530 2529	10·0212321 10·0209791 10·0207262 10·0204732 10·0202203	10·1401584 10·1402787 10·1403991 10·1405196 10·1406401	1203 1203 1204 1205 1205	9·8598416 9·8597213 9·8596009 9·8594804 9·8593599	24 23 22 21 20
41 42 43 44 45	9·8392719 9·8394041 9·8395363 9·8396684	1323 1322 1322 1321 1320	10·1607281 10·1605959 10·1604637 10·1603316	9·9800326 9·9802856 9·9805385 9·9807914	2529 2530 2529 2529 2529	10.0199674 10.0197144 10.0194615 10.0192086	10·1407607 10·1408814 10·1410022 10·1411230	1206 1207 1208 1208 1209	9·8592393 9·8591186 9·8589978 9·8588770	19 18 17 16 15
46 47 48 49 50	9.8398004 9.8399323 9.8400642 9.8401959 9.8403276 9.8404593	1319 1317 1317 1317	10·1601996 10·1600677 10·1599358 10·1598041 10·1596724 10·1595407	9.9812972 9.9812972 9.9815501 9.9818030 9.9820559 9.9823087	2529 2529 2529 2529 2528	10·0189557 10·0187028 10·0184499 10·0181970 10·0179441 10·0176913	10:1412439 10:1413649 10:1414859 10:1416071 10:1417282 10:1418495	1210 1210 1212 1211 1213	9·8587561 9·8586351 9·8585141 9·8583929 9·8582718 9·8581505	14 13 12 11 10
51 52 53 54 55	9·8405908 9·8407223 9·8408537 9·8409850 9·8411162	1315 1314 1313 1312	10 1595407 10 1594092 10 1592777 10 1591463 10 1590150 10 158838	9·9825616 9·9828145 9·9830673 9·9833202 9·9835730	2529 2529 2528 2529 2528	10·0174384 10·0171855 10·0169327 10·0166798 10·0164270	10 1415493 10 1419708 10 1420922 10 1422137 10 1423352 10 1424568	1213 1214 1215 1215 1216	9·8580292 9·8579078 9·8577863 9·8576648 9·8575432	9 8 7 6 5
56 57 58 59 60	9 8411162 9 8412474 9 8413785 9 8415095 9 8416404 9 8417713	1312 1311 1310 1309 1309	10·1587526 10·1586215 10·1584905 10·1583596 10·1582287	9·9838259 9·9840787 9·9843315 9·9845844 9·9848372	2529 2528 2528 2529 2528	10·0161741 10·0159213 10·0156685 10·0154156 10·0151628	10·1424508 10·1425785 10·1427002 10·1428221 10·1429439 10·1430659	1217 1217 1219 1218 1220	9·8574215 9·8572998 9·8571779 9·8570561 9·8569341	3 2 1 0
.,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	,

	44 Deg.									
,	Sine	Diff.	Cosec.	Tang.	Diff.	Cotang.	Secant	Diff.	Cosine	,
0 1 2 3 4 5	9·8417713 9·8419021 9·8420328 9·8421634 9·8422939 9·8424244	1308 1307 1306 1305 1305 1304	10·1582287 10·1580979 10·1579672 10·1578366 10·1577061 10·1575756	9.9848372 a 9.9850900 9.9853428 9.9855956 9.9858484 9.9861012	2528 2528 2528 2528 2528 2528 2528	10·0151628 10·0149100 10·0146572 10·0144044 10·0141516 10·0138988	10·1430659 10·1431879 10·1433100 10·1434322 10·1435545 10·1436768	1220 1221 1222 1223 1223 1224	9:8569341 9:8568121 9:8566900 9:8565678 9:8564455 9:8563232	60 59 58 57 56 55
6 7 8 9 10	9.8425548 9.8426851 9.8428154 9.8429456 9.8430757	1303 1303 1302 1301 1300	10·1574452 10·1573149 10·1571846 10·1570544 10·1569243	9.9863540 9.9866068 9.9868596 9.9871123 9.9873651	2528 2528 2527 2528 2528	10·0136460 10·0133932 10·0131404 10·0128877 10·0126349	10·1437992 10·1439216 10·1440442 10·1441668 10·1442894	1224 1226 1226 1226 1228	9.8562008 9.8560784 9.8559558 9.8558332 9.8557106	54 53 52 51 50
11 12 13 14 15	9·8432057 9·8433356 9·8434655 9·8435953 9·8437250	1299 1299 1298 1297 1297	10·1567943 10·1566644 10·1565345 10·1564047 10·1562750	9·9876179 9·9878706 9·9881234 9·9883761 9·9886289	2527 2528 2527 2528 2527	10·0123821 10·0121294 10·0118766 10·0116239 10·0113711	10·1444122 10·1445350 10·1446579 10·1447808 10·1449039	1228 1229 1229 1231 1231	9.8555878 9.8554650 9.8553421 9.8552192 9.8550961	49 48 47 46 45
16 17 18 19 20	9·8438547 9·8439842 9·8441137 9·8442432 9·8443725	1295 1295 1295 1293 1293	10·1561453 10·1560158 10·1558863 10·1557568 10·1556275	9·9888816 9·9891344 9·9893871 9·9896399 9·9898926	2528 2527 2528 2527 2527	10.0111184 10.0108656 10.0106129 10.0103601 10.0101074	10·1450270 10·1451501 10·1452734 10·1453967 10·1455201	1231 1233 1233 1234 1235	9·8549730 9·8548499 9·8547266 9·8546033 9·8544799	44 43 42 41 40
21 22 23 24 25	9.8445018 9.8446310 9.8447601 9.8448891 9.8450181	1292 1291 1290 1290 1289	10·1554982 10·1553690 10·1552399 10·1551109 10·1549819	9:9901453 9:9903981 9:9906508 9:9909035 9:9911562	2528 2527 2527 2527 2527	10.0098547 10.0096019 10.0093492 10.0090965 10.0088438	10·1456436 10·1457671 10·1458907 10·1460144 10·1461381	1235 1236 1237 1237 1238	9:8543564 9:8542329 9:8541093 9:8539856 9:8538619	39 38 37 36 35
26 27 28 29 30	9·8451470 9·8452758 9·8454045 9·8455332 9·8456618	1288 1287 1287 1286 1285	10·1548530 10·1547242 10·1545955 10·1544668 10·1543382	9·9914089 9·9916616 9·9919143 9·9921670 9·9924197	2527 2527 2527 2527 2527 2527	10.0085911 10.0083384 10.0080857 10.0078330 10.0075803	10·1462619 10·1463858 10·1465098 10·1466338 10·1467579	1239 1240 1240 1241 1242	9·8537381 9·8536142 9·8534902 9·8533662 9·8532421	34 33 32 31 30
31 32 33 34 35	9·8457903 9·8459188 9·8460471 9·8461754 9·8463036	1285 1283 1283 1282 1282	10·1542097 10·1540812 10·1539529 10·1538246 10·1536964	9·9926724 9·9929251 9·9931778 9·9934305 9·9936832	2527 2527 2527 2527 2527 2527	10.0073276 10.0070749 10.0068222 10.0065695 10.0063168	10·1468821 10·1470064 10·1471307 10·1472551 10·1473796	1243 1243 1244 1245 1245	9·8531179 9·8529936 9·8528693 9·8527449 9·8526204	29 28 27 26 25
36 37 38 39 40	9·8464318 9·8465599 9·8466879 9·8468158 9·8469436	1281 1280 1279 1278 1278	10·1535682 10·1534401 10·1533121 10·1531842 10·1530564	9·9939359 9·9941886 9·9944413 9·9946940 9·9949466	2527 2527 2527 2527 2526 2527	10.0060641 10.0058114 10.0055587 10.0053060 10.0050534	10·1475041 10·1476287 10·1477534 10·1478782 10·1480030	1246 1247 1248 1248 1249	9:8524959 9:8523713 9:8522466 9:8521218 9:8519970	24 23 22 21 20
41 42 43 44 45	9·8470714 9·8471991 9·8473267 9·8474543 9·8475817	1277 1276 1276 1274 1274	10·1529286 10·1528009 10·1526733 10·1525457 10·1524183	9·9951993 9·9954520 9·9957047 9·9959573 9·9962100	2527 2527 2527 2526 2527 2527	10.0048007 10.0045480 10.0042953 10.0040427 10.0037900	10·1481279 10·1482529 10·1483780 10·1485031 10·1486283	1250 1251 1251 1252 1252	9.8518721 9.8517471 9.8516220 9.8514969 9.8513717	19 18 17 16 15
46 47 48 49 50	9·8477091 9·8478365 9·8479637 9·8480909 9·8482180	1274 1272 1272 1271 1270	10·1522909 10·1521635 10·1520363 10·1519091 10·1517820	9·9964627 9·9967154 9·9969680 9·9972207 9·9974734	2527 2526 2527 2527 2527 2526	10.0035373 10.0032846 10.0030320 10.0027793 10.0025266	10·1487535 10·1488789 10·1490043 10·1491298 10·1492554	1254 1254 1255 1256 1256	9·8512465 9·8511211 9·8509957 9·8508702 9·8507446	14 13 12 11 10
51 52 53 54 55	9·8483450 9·8484720 9·8485989 9·8487257 9·8488524	1270 1269 1268 1267 1267	10·1516550 10·1515280 10·1514011 10·1512743 10·1511476	9·9977260 9·9979787 9·9982314 9·9984840 9·9987367	2527 2527 2526 2527 2526	10.0022740 10.0020213 10.0017686 10.0015160 10.0012633	10·1493810 10·1495067 10·1496325 10·1497583 10·1498843	1257 1258 1258 1260 1260	9·8506190 9·8504933 9·8503675 9·8502417 9·8501157	9 8 7 6 5
56 57 58 59 60	9·8489791 9·8491057 9·8492322 9·8493586 9·8494850	1266 1265 1264 1264	10·1510209 10·1508943 10·1507678 10·1506414 10·1505150	9-9989893 9-9992420 9-9994947 9-9997473 10-0000000	2527 2527 2526 2527	10.0010107 10.0007580 10.0005053 10.0002527 10.0000000	10·1500103 10·1501363 10·1502625 10·1503887 10·1505150	1260 1262 1262 1263	9·8499897 9·8498637 9·8497375 9·8496113 9·8494850	3 2 1 0
,	Cosine	Diff.	Secant	Cotang.	Diff.	Tang.	Cosec.	Diff.	Sine	,
	1									1

TABLE OF THE ANGLES which every Point and Quarter-Point of the Compass makes with the Meridian.

NOR	TH.	Points.	•	′	"	Points.	sou	TH.
		01 01 01	2 5 8	48 37 26	45 30 15	01 01 02		
N. by E	N. by W	11 11 11	11 14 16 19	15 3 52 41	0 45 30 15	1 1 11 1 13	S. by E	S. by W
N.N.E	N.N.W	21 21 21 22 23	22 25 28 30	30 18 7 56	0 45 30 15	21 21 21 25	S.S.E	s.s.w
N.E. by N	N.W. by N.	3 3 3 3 3	33 36 39 42	45 33 22 11	0 45 30 15	34 34 34 32	S.E. by S	S.W. by S
N.E	N.W	41 41 41 42	45 47 50 53	0 48 37 26	0 45 30 15	4 41 41 43	S.E	s.w
N.E. by E	N.W. by W.	5 5 5 5 5	56 59 61 64	15 3 52 41	0 45 30 15	5 5 5 5	S.E. by E	S.W. by W
E.N.E	W.N.W	6 6 6 6	67 70 73 75	30 18 7 56	0 45 30 15	6 6 6 6	E.S.E	w.s.w
E. by N	W. by N	71 71 71 72	78 81 84 87	45 33 22 11	0 45 30 15	7 7 7 7 7 7	E. by S	W. by S
East	West	8	90	0	0	8	East	West

## LOGARITHMIC SINES, TANGENTS, AND SECANTS, to every Point and Quarter-Point of the Compass.

	Sine.	Cosine.	Tangent.	Cotangent.	Secant.	Cosecant.	Points.
	Infin. Neg.	10.0000000	Infin. Neg.	Infinite.	10.0000000	Infinite.	8
01	8.6907955 8.9913020	9.9994766	8.6913189 8.9933983	11·3086811 11·0066017	10.0005234 10.0020963	11·3092045 11·0086980	74 74
03	9.1665203	9.9952738	9.1712465	10.8287535	10.0047262	10.8334797	71
1	9.2902357	9.9915739	9.2986618	10.7013382	10.0084261	10.7097643	7
11 11	9·3855708 9·4628241	9.9867857	9.3987851	10.6012149	10·0132143 10·0191151	10.6144292 10.5371759	63
13	9.5274879	9.9808849 9.9738407	9·4819393 9·5536473	10.5180607 10.4463527	10.0191131	10.4725121	6 <u>}</u>
2	9.5828397	9.9656153	9.6172243	10.3827757	10.0343847	10.4171603	6
21 21 22 23	9.6309921	9.9561633	9.6748288	10.3251712	10.0438367	10.3690079	53
21/2	9.6733866	9.9454298	9.7279568	10.2720432	10.0545702	10.3266134	5
1	9.7110499	9 9333499	9.7777000	10.2223000	10.0666501	10.2889501	51
3	9.7447390	9.9198464	9.8248926	10.1751074	10.0801536	10.2552610	5
31	9.7750271	9.9048278	9.8701993	10.1298007	10.0951722	10.2249729	43
31 32	9·8023586 9·8270841	9.8881854 9.8697896	9·9141732 9·9572946	10.0858268 10.0427054	10·1118146 10·1302104	10·1976414 10·1729159	41
							41
4	9.8494850	9.8494850	10.0000000	10.0000000	10.1505150	10.1505150	4
	Cosine.	Sine.	Cotangent.	Tangent.	Cosecant.	Secant.	

## AREAS OF THE SEGMENTS OF A CIRCLE,

## THE DIAMETER OF WHICH IS UNITY,

## AND SUPPOSED TO BE DIVIDED INTO 1000 EQUAL PARTS.

Height.	Area.	Height.	Area.	Height.	Area.	Height.	Area.	Height.	Area.
·001	*000042	.046	012971	-091	.035586	•136	.064074	•181	*096904
.002	0000119	.047	013393	092	036162	•137	064761	182	097675
.003	000219	.048	.013818	*093	036742	138	065449	183	098447
.004	*000337	049	014248	*094	037324	•139	066140	184	099221
*005	000337	050	014243	*095	037909	133	*066833	185	099997
003	000211	050	014001	000	031808	140	000000	100	000001
*006	*000619	.051	.015119	•096	*038497	·141	067528	·186	100774
*007	000779	*052	.015561	.097	039087	.142	068225	·187	101553
.008	*000952	*053	.016008	•098	.039681	.143	.068924	·188	·102334
.009	.001135	*054	·016458	.099	.040277	144	.069626	189	.103116
·010	.001329	*055	.016912	100	·040875	145	070329	·190	·103900
·011	.001533	*056	017369	.101	.041477	.146	•071034	•191	·104686
.012	001746	*057	017831	102	042081	147	071741	192	105472
013	.001969	•058	018297	103	.042687	•148	072450	•193	106261
.014	.002199	059	018766	104	043296	•149	073162	•194	·107051
.015	002438	•060	019239	•105	.043908	150	.073875	195	107843
010	002100	000	010200	100	020000	100	010010	100	10,030
.016	*002685	.061	.019716	106	.044523	.151	.074590	196	108636
.017	.002940	*062	.020197	.107	045140	·152	.075307	197	109431
.018	003202	.063	.020681	·108	.045759	153	.076026	·198	·110227
.019	.003472	*064	.021168	.109	.046381	154	.076747	.199	111025
.020	*003749	*065	.021660	·110	<b>*047006</b>	155	.077470	*200	·111824
·021	·004032	*066	·022155	111	*047633	•156	078194	•201	·112625
.022	004322	*067	022155	1112	048262	157	078921	201	113427
·023	004619	068	022055	1113	048202	157	079650	202	113427
023	004013	069	023133	113	040094	159	080380	203	115036
024	004322	-070	023000	114	049329	160	081112	204	115030
020	000201	070	024100	113	030103	100	001112	200	110092
.026	.005546	-071	·024680	.116	*050805	•161	*081847	*206	·116651
.027	.005867	.072	.025196	.117	.051446	162	*082582	*207	117460
.028	.006194	*073	025714	118	.052090	163	.083320	•208	118271
.029	*006527	*074	.026236	.119	.052737	•164	*084060	•209	·119083
•030	*006866	.075	026761	·120	*053385	·165	<b>0</b> 84801	•210	·119898
.031	.007209	.076	.027290	121	.054037	•166	·085545	-211	41 00P716
	*007559			121		167		211	120713
*032 *033		.077	027821	122	054690	168	*086290	212	121530
034	*007913 *008273	078	*028356 *028894		*055346 *056004	169	·087037	213	122348
*035	1008273	.080	028894	°124	056664	109	·087785 ·088536	214	123167
035	008038	1080	029435	125	*000004	170	088536	215	·123988
.036	*009008	•081	.029979	126	057327	171	089288	•216	124811
.037	.009383	*082	.030526	127	.057991	•172	*090042	.217	125634
.038	.009763	*083	.031077	128	*058658	•173	*090797	•218	126459
.039	.010148	*084	·031630	129	.059328	174	*091555	•219	127286
.040	<b>·0</b> 10538	*085	.032186	130	.059999	175	*092314	*220	128114
.041	.010932	*086	*032746	•131	*060673	•176	*093074	•221	12894
.042	010332	*087	032740	131	061349	176	093837	*222	12894
042	011734	1088	*033873	132	061349	178	093837	*223	130608
043	012142	.089		133	062027	178		*223	
045	012142	.090	·034441 ·035012	134			*095367 *006125		13143
0.50	012000	080	055012	100	*063389	180	*096135	*225	132273

-		1		1		1			
Height.	Area.	Height.	Area.	Height.	Area.	Height.	Area.	Height.	Area.
-226	·133109	•281	180918	*336	.231689	•391	*284569	•446	*338804
-227	·133946	*282	·181818	*337	.232634	*392	*285545	•447	*339799
•228	.134784	*283	·182718	*338	*233580	*393	*286521	*448	*340793
•229	·135624	*284	·183619	*339	*234526	*394	.287499	*449	*341788
*230	·136465	*285	·184522	*340	*235473	*395	288476	*450	*342783
•231	137307	•286	·185425	*341	•236421	*396	*289454	*451	*343778
*232	·138151	287	·186329	*342	237369	*397	*290432	*452	*344773
*233	·138996	•288	187235	*343	.238319	*398	*291411	*453	*345768
•234	139842	•289	·188141	*344	239268	.399	•292390	*454	*346764
*235	·140689	•290	139048	*345	•240219	*400	•293370	*455	*347760
-236	·141538	•291	·189956	*346	241170	•401	294350	456	*348756
•237	142388	292	190865	*347	.242122	*402	·295330	*457	*349752
*238	•143239	*293	191774	*348	243074	*403	*296311	*458	*350749
*239	144091	294	192685	*349	244027	*404	297292	*459	*351745
*240	·144945	295	·193597	*350	·244980	*405	*298274	*460	*352742
.241	145800	•296	194509	*351	*245935	*406	*299256	•461	*353739
*242	146655	*297	195423	*352	246890	*407	*300238	*462	*354736
*243	147513	*298 *299	196337	*353 *354	*247845	*408 *409	*301221	'463 '464	*355733
·244 ·245	·148371 ·149231	*300	·197252 ·198168	354	*248801 *249758	410	*302204 *303187	*465	·356730 ·357728
240	149201	300	180100	300	248100	410	909191	400	301120
*246	·150091	•301	·199085	*356	*250715	•411	*304171	'466	*358725
*247	·150953	'302	*200003	*357	*251673	*412	*305156	*467	*359723
*248	·151816	*303	*200922	*358	•252632	'413	*306140	*468	*360721
•249	·152681	*304	201841	*359	253591	.414	*307125	*469	361719
•250	·153546	*305	•202762	*360	-254551	'415	*308110	*470	*362717
•251	154413	*306	203683	•361	*255511	·416	*309096	.471	*363715
*252	155281	*307	*204605	*362	256472	*417	310082	.472	364714
*253	·156149	.308	205528	*363	257433	*418	*311068	•473	*365712
•254	157019	*309	206452	*364 *365	*258395	·419 ·420	*312055 *313042	*474	*366711
•255	·157891	*310	•207376	300	•259358	420	313042	*475	*367710
•256	·158763	•311	208302	*366	*260321	•421	314029	•476	*368708
257	·159636	*312	*209228	*367	<b>*261285</b>	*422	*315017	*477	369707
•258	·160511	*313	210155	*368	262249	*423	*316005	*478	370706
*259	161386	*314	211083	*369	263214	*424	*316993	*479	*371705
*260	·162263	*315	·212011	*370	264179	*425	*317981	'480	372704
•261	163141	.316	212941	*371	265145	*426	318970	*481	373704
*262	·164020	*317	•213871	*372	*266111	*427	*319959	*482	*374703
263	·164900	*318	214802	·373 ·374	*267078	*428	*320949	*483	375702
·264 ·265	·165781 ·166663	·319 ·320	·215734 ·216666	374	*268046 *269014	*429 *430	*321938 *322928	*484 *485	*376702 *377701
200	100003	320	210000	310	209014	200	944943	400	311101
•266	·167546	*321	217600	*376	.269982	·431	323919	*486	378701
*267	168431	*322	*218534	*377	*270951	*432	*324909	*487	*379701
·268 ·269	169316	*323	*219469	*378	•271921	*433	*325900	*488 *489	*380700
269	·170202 ·171090	*324 *325	·220404 ·221341	*379 *380	°272891 °273861	°434 °435	*326891 *327883	489	*381700 *382700
210	111090	523	221341	550	2/0001	400	021000	300	302700
271	171978	*326	*222278	*381	274832	*436	*328874	*491	*383700
•272	·172868 ·173758	*327 *328	*223216 *224154	*382	·275804	*437 *438	*329866 *330858	*492 *493	*384699 *385699
·273 ·274	·173758	328	224154	*384	·276776 ·277748	439	331851	494	*386699
275	175542	329	226034	*385	278721	440	332843	495	387699
*970	170490	1001	•00007 •	*900	*279695	-441	*333836	•496	*388699
·276 ·277	·176436 ·177330	*331 *332	*226974 *227916	*386 *387	*279695 *280669	441	*334829	490	*389699
278	177330	*333	228858	*388	281643	442	*335823	497	390699
279	179122	*334	229801	*389	282618	*444	336816	•499	•391699
280	180020	335	•230745	*390	283593	•445	337810	•500	392699
								1	

/	0°	1°	2°	3°	<b>4</b> °	5°	6°	7°	"	
0	*0000000 *0002909	°0174533	*0349066 *0351975	*0523599 *0526508	*0698132 *0701041	*0872665 *0875574	*1047198 *1050106	·1221730 ·1224639	0	*0000000 *0000048
2	*0005818	0180351	0354884	0529417	0703949		1053015	1227548	2	*0000097
3	.0008727	0183260	.0357792	.0532325	.0706858	.0881391	1055924	1230457	3	0000145
4	.0011636	.0186168	0360701	.0535234	·0709767	*0884300	1058833	1233366	4	*0000194
5	.0014544	.0189077	.0363610	.0538143	.0712676	0887209	·1061742	·1236275	5	·0000242
6 7	*0017453 *0020362	·0191986 ·0194895	*0366519 *0369428	*0541052 *0543961	·0715585 ·0718494	·0890118 ·0893027	·1064651 ·1067560	·1239184 ·1242093	6 7	*0000291 *0000339
8	0023271	0197804	0372337	.0546870	.0721403	0895936	1070469	1245002	8	.0000388
9	.0026180	.0200713	.0375246	.0549779	.0724312	.0898845	·1073377	1247910	9	.0000436
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57     -7147123     "321656" 7496189     "670792" 7845255     -8019788     8194321     8388854     57     -0002763       58     "7150032     "324565     "499098     "673631     "848164     8022697     *8197230     *8371763     58     -0002812       59     "7152941     "327474     "7502007     "7676540     "7851073     *8025696     *8200139     *8374672     59     -0002880											
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59 7152941 7327474 7502007 7676540 7851073 8025606 8200139 8374672 59 0002860			7321656	*7496189							
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				.7504916	*7679449						*0002909
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1	1	48°	49°	50°	51°	52°	53°	54°	55°	"	
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1	1	*8380489	*8555022	*8729555	*8904088	9078621	9253154	9427687	9602220	ĭ	00000048
П	2	*8383398	*8557931	8732464	*8906997	9081530	9256063	9430596	9605129	2	*0000097
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ı	5	*8392125	*8566658	*8741191	*8915724	9090257	9264789	9439323	9613855	5	0000242
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ı	9	*8403760	8578293	8752826	8927359	9101892	9276425	9450958	9625491	9	0000333
ı	10	*8406669	8581202	8755735	8930268	9104801	9279334	9453867	9628400	10	0000485
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П	12	*8412487	*8587020	*8761553	.8936086	9110619	9285152	9459685	9634217	12	0000582
П	13	*8415396	*8589929	*8764462	*8938995	9113528	*9288061	9462593	9637126	13	*0000630
н	14	*8418305 *8421214	*8592838 *8595747	*8767371 *8770279	*8941904 *8944812	*9116436 *9119345	*9290969 *9293878	*9465502 *9468411	*9640035 *9642944	14	*0000679 *0000727
ı	15										
П	16	·8424123 ·8427031	*8598655 *8601564	·8773188 ·8776097	*8947721 *8950630	*9122254 *9125163	*9296787 *9299696	9471320	9645853	16	*0000776 *0000824
П	17	*8429940	*8604473	8779006	*8953539	9128072	*9302605	*9474229 *9477138	*9648762 *9651671	17	0000824
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	20	*8435758	8610291	8784824	8959357	9133890	9308423	9482956	9657489	20	.0000970
	21	*8438667	*8613200	.8787733	*8962266	9136799	9311332	9485864	9660397	21	.0001018
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Н	23	*8444485	*8619018	*8793551	*8968083	9142616	9317149	9491682	9666215	23	.0001115
ł	24	*8447394	8621927	*8796459	8970992	9145525	*9320058	9494591	9669124	24	*0001164 *0001212
ı	25	*8450302	*8624835	*8799368	8973901	9148434	•9322967	•9497500	•9672033	25	
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6 7	*9791297 *9794206	*9965830 *9968739	1.0140363 1.0143272	1.0314896 1.0317805	1.0489429 1.0492338	1.0663962 1.0666871	1.0838495 1.0841404	6	*0000291 *0000339
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16	*9820386	*9994919	1.0169452	1 0343985	1.0518518	1.0693051	1.0867583	16 17	*0000776
17 18	*9823295 *9826204	*9997828 1*0000737	1.0172361 1.0175270	1.0346894	1.0521427 1.0524335	1.0695959 1.0698868	1.0870492 1.0873401	18	*0000824 *0000873
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25	*9846566	1.0021099	1.0195632	1.0370165	1.0544698	1.0719230	1.0893763	25	*0001212
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38	9884381 9887290	1.0058914 1.0061823	1.0233447 1.0236356	1.0407980 1.0410889	1.0582513 1.0585422	1.0757046 1.0759955	1.0931579 1.0934488	38	*0001842 *0001891
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51 52	*9922197	1.0096730 1.0099639	1.0271263 1.0274172	1.0445796 1.0448704	1.0620328 1.0623237	1.0794861 1.0797770	1·0969394 1·0972303	51 52	·0002473 ·0002521
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00	0020011	1 0122010	1 0201 110	2 0212010					
	A					C-70-2	- 2000	-	

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,	63°	64°	65° °	66°	67°	68°	69°	"	
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6	1.1013028	1.1187561	1.1362093	1.1536626	1.1711159	1.1885692	1.2060225	6	.0000291
7	1.1015936	1.1190469	1.1365002	1.1539535	1.1714068	1.1888601	1.2063134	7	*0000339
8 9	1·1018845 1·1021754	1·1193378 1·1196287	1·1367911 1·1370820	1·1542444 1·1545353	1·1716977 1·1719886	1·1891510 1·1894419	1·2066043 1·2068952	8 9	*0000388 *0000436
10	1.1024663	1.1199196	1.1373729	1.1548262	1.1722795	1.1897328	1.2071861	10	0000485
11	1.1027572	1.1202105	1.1376638	1.1551171	1.1725704	1.1900237	1.2074770	11	°0000533
12	1.1030481	1.1205014	1.1379547	1.1554080	1.1728613	1.1903145	1.2077678	12	*0000582
13	1·1033390 1·1036299	1·1207923 1·1210832	1·1382456 1·1385364	1·1556989 1·1559897	1·1731521 1·1734430	1·1906054 1·1908963	1·2080587 1·2083496	13 14	*0000630 *0000679
15	1.1030299	1.1213740	1 1388273	1.1562806	1.1737339	1.1911872	1.2086405	15	0000073
16	1.1042116	1.1216649	1.1391182	1.1565715	1.1740248	1.1914781	1.2089314	16	*0000776
17	1.1045025	1.1219558	1.1394091	1.1568624	1.1743157	1.1917690	1.2092223	17	0000824
18	1·1047934 1·1050843	1·1222467 1·1225376	1·1397000 1·1399909	1.1571533	1.1746066	1.1920599	1.2095132	18 19	*0000873 *0000921
20	1.1050843	1.1228285	1.1399909	1·1574442 1·1577351	1·1748975 1·1751884	1·1923508 1·1926417	1 · 2098041 1 · 2100949	20	0000921
21	1.1056661	1.1231194	1.1405727	1.1580260	1.1754793	1.1929325	1.2103858	21	.0001018
22	1.1059570	1.1234103	1.1408636	1.1583168	1.1757701	1.1932234	1.2106767	22	*0001067
23 24	1·1062479 1·1065387	1·1237012 1·1239920	1·1411544 1·1414453	1·1586077 1·1588986	1·1760610 1·1763519	1·1935143 1·1938052	1·2109676 1·2112585	23 24	·0001115 ·0001164
25	1.1068296	1.1242829	1.1417362	1.1591895	1.1766428	1.1940961	1.2112383	25	0001104
26	1.1071205	1.1245738	1.1420271	1.1594804	1.1769337	1.1943870	1.2118403	26	.0001261
27	1.1074114	1.1248647	1.1423180	1.1597713	1.1772246	1.1946779	1.2121312	27	*0001309
28 29	1·1077023 1·1079932	1·1251556 1·1254465	1·1426089 1·1428998	1·1600622 1·1603531	1.1775155	1·1949688 1·1952596	1·2124221 1·2127129	28 29	*0001357 *0001406
30	1.1082841	1.1257374	1.1431907	1.1606440	1·1778064 1·1780972	1.1955505	1.2130038	30	0001454
31	1.1085750	1.1260283	1.1434815	1.1609348	1.1783881	1.1958414	1.2132947	31	*0001503
32	1.1088659	1.1263191	1.1437724	1.1612257	1.1786790	1.1961323	1.2135856	32	*0001551
33	1·1091567 1·1094476	1·1266100 1·1269009	1·1440633 1·1443542	1·1615166 1·1618075	1·1789699 1·1792608	1·1964232 1·1967141	1.2138765 1.2141674	33 34	*0001600 *0001648
35	1.1097385	1.1271918	1.1446451	1.1620984	1.1795517	1.1970050	1.2144583	35	.0001697
36	1.1100294	1.1274827	1.1449360	1.1623893	1.1798426	1.1972959	1.2147492	36	.0001745
37	1.1103203	1.1277736	1.1452269	1.1626802	1.1801335	1.1975868	1.2150400	37	*0001794 *0001842
38	1·1106112 1·1109021	1·1280645 1·1283554	1·1455178 1·1458087	1·1629711 1·1632619	1·1804244 1·1807152	1·1978776 1·1981685	1.2153309 1.2156218	38	0001842
40	1.1111930	1.1286462	1.1460995	1.1635528	1.1810061	1.1984594	1.2159127	40	.0001939
41	1.1114838	1.1289371	1.1463904	1.1638437	1.1812970	1.1987503	1.2162036	41	.0001988
42	1.1117747	1.1292280	1.1466813	1.1641346	1.1815879	1.1990412	1.2164945	42	*0002036 *0002085
44	1·1120656 1·1123565	1·1295189 1·1298098	1·1469722 1·1472631	1·1644255 1·1647164	1·1818788 1·1821697	1·1993321 1·1996230	1.2167854 1.2170763	44	0002085
45	1.1126474	1.1301007	1.1475540	1.1650073	1.1824606	1.1999139	1.2173672	45	*0002182
46	1.1129383	1.1303916	1.1478449	1.1652982	1.1827515	1.2002047	1.2176580	46	*0002230
47	1·1132292 1·1135201	1.1306825	1.1481358	1.1655891	1.1830423	1.2004956	1.2179489	47	*0002279 *0002327
48	1.1135201	1·1309734 1·1312642	1·1484267 1·1487175	1·1658799 1·1661708	1·1833332 1·1836241	1.2007865 1.2010774	1·2182398 1·2185307	49	0002327
50	1.1141018	1.1315551	1.1490084	1.1664617	1.1839150	1.2013683	1.2188216	50	0002424
51 52	1·1143927 1·1146836	1.1318460	1.1492993	1.1667526	1.1842059	1.2016592	1.2191125	51 52	*0002473
53	1.1140836	1·1321369 1·1324278	1·1495902 1·1498811	1·1670435 1·1673344	1·1844968 1·1847877	1.2019501 1.2022410	1.2194034 1.2196943	53	*0002521 *0002570
54	1.1152654	1.1327187	1.1501720	1.1676253	1.1850786	1.2025319	1.2199851	54	0002510
55	1.1155563	1.1330096	1.1504629	1.1679162	1.1853695	1.2028227	1.2202760	55	*0002666
56 57	1·1158472 1·1161381	1·1333005 1·1335913	1·1507538 1·1510446	1·1682070 1·1684979	1·1856603 1·1859512	1.2031136 1.2034045	1·2205669 1·2208578	56 57	*0002715 *0002763
58	1.1164289	1.1338822	1.1513355	1.1687888	1.1862421	1.2036954	1.2208578	58	0002703
59	1.1167198	1.1341731	1.1516264	1.1690797	1.1865330	1.2039863	1.2214396	59	.0002860
60	1.1170107	1.1344640	1.1519173	1.1693706	1.1868239	1.2042772	1.2217305	60	*0002909
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1	1.2220214	1.2394747	1.2569279	1.2743812	1.2918345	1.3092878	1.3267411	1	*0000048
2	1.2223122	1.2397655	1.2572188	1.2746721	1.2921254	1.3095787	1.3270320	2	*0000097 *0000145
3	1·2226031 1·2228940	1.2400564 1.2403473	1·2575097 1·2578006	1·2749630 1·2752539	1·2924163 1·2927072	1·3098696 1·3101605	1·3273229 1·3276138	3	0000145
5	1.2231849	1.2406382	1.2580915	1.2755448	1.2929981	1.3104514	1.3279047	5	0000134
6	1.2234758	1.2409291	1.2583824	1.2758357	1.2932890	1.3107423	1.3281956	6	·0000291
7	1.2237667	1.2412200	1.2586733	1.2761266	1.2935799	1.3110332	1.3284864	7	*0000339
8	1.2240576	1.2415109	1.2589642	1.2764175	1.2938708	1.3113240	1.3287773	8	*0000388
10	1.2243485 1.2246394	1·2418018 1·2420927	1.2592551 1.2595459	1·2767083 1·2769992	1·2941616 1·2944525	1.3116149 1.3119058	1·3290682 1·3293591	9	*0000436 *0000485
11	1.2249302	1.2423835	1.2598368	1.2772901	1.2947434	1.3121967	1.3296500	11	*0000533
12	1.2252211	1.2426744	1.2601277	1.2775810	1.2950343	1.3124876	1.3299409	12	*0000582
13	1.2255120	1.2429653	1.2604186	1.2778719	1.2953252	1.3127785	1.3302318	13	*0000630
14	1.2258029	1.2432562	1.2607095	1.2781628	1.2956161	1.3130694	1.3305227	14	*0000679
15	1.2260938	1.2435471	1.2610004	1.2784537	1.2959070	1.3133603	1.3308136	15	*0000727
16	1.2263847	1.2438380	1.2612913	1.2787446	1.2961979	1.3136512	1.3311044	16	*0000776
17	1.2266756 1.2269665	1·2441289 1·2444198	1·2615822 1·2618730	1·2790355 1·2793263	1·2964887 1·2967796	1·3139420 1·3142329	1·3313953 1·3316862	17 18	*0000824 *0000873
18	1.2272574	1.2444198	1.2621639	1.2796172	1.2970705	1.3142329	1.3319771	19	0000373
20	1.2275482	1.2450015	1.2624548	1.2799081	1.2973614	1.3148147	1.3322680	20	·0000970
21	1.2278391	1.2452924	1.2627457	1.2801990	1.2976523	1.3151056	1.3325589	21	·0001018
22	1.2281300	1.2455833	1.2630366	1.2804899	1.2979432	1.3153965	1.3328498	22	.0001067
23	1.2284209	1.2458742	1.2633275	1.2807808	1.2982341	1.3156874	1.3331407	23	*0001115
24	1.2287118	1.2461651	1.2636184	1.2810717	1.2985250	1.3159783	1.3334315	24	*0001164
25	1.2290027	1.2464560	1.2639093	1.2813626	1.2988159	1.3162691	1.3337224	25	0001212
26	1.2292936	1.2467469	1.2642002	1.2816534	1.2991067	1.3165600	1·3340133 1·3343042	26 27	*0001261 *0001309
27 28	1·2295845 1·2298753	1·2470378 1·2473286	1·2644910 1·2647819	1·2819443 1·2822352	1·2993976 1·2996885	1.3168509 1.3171418	1.3345042	28	0001309
29	1.2301662	1.2476195	1.2650728	1.2825261	1.2999794	1.3174327	1.3348860	29	0001406
30	1.2304571	1.2479104	1.2653637	1.2828170	1.3002703	1.3177236	1.3351769	30	.0001454
31	1.2307480	1.2482013	1.2656546	1.2831079	1.3005612	1.3180145	1.3354678	31	*0001503
32	1.2310389	1.2484922	1.2659455	1.2833988	1.3008521	1.3183054	1.3357587	32	*0001551
33	1.2313298	1.2487831	1.2662364	1.2836897	1.3011430	1.3185962	1.3360495	33	*0001600
34	1.2316207 1.2319116	1.2490740 1.2493649	1.2665272	1.2839806 1.2842714	1:3014338 1:3017247	1·3188871 1·3191780	1·3363404 1·3366313	34	*0001648
35			1.2668181					35	
36	1.2322025	1.2496557 1.2499466	1·2671090 1·2673999	1·2845623 1·2848532	1.3020156	1:3194689 1:3197598	1·3369222 1·3372131	36	*0001745 *0001794
37	1.2324933	1.2502375	1.2676908	1.2851441	1.3025005	1.3200507	1.3375040	38	0001734
39	1.2330751	1.2505284	1.2679817	1.2854350	1.3028883	1.3203416	1.3377949	39	.0001891
40	1.2333660	1.2508193	1.2682726	1.2857259	1.3031792	1.3206325	1.3380858	40	*0001939
41	1.2336569	1.2511102	1.2685635	1.2860168	1.3034701	1.3209234	1.3383766	41	·0001988
42	1.2339478	1.2514011	1 2688544	1.2863077	1.3037610	1.3212142	1.3386675	42	*0002036
43	1.2342387 1.2345296	1·2516920 1·2519829	1·2691453 1·2694361	1.2865985 1.2868894	1:3040518 1:3043427	1·3215051 1·3217960	1·3389584 1·3392493	43	*0002085
44 45	1.2345290	1.2522737	1.2697270	1.2871803	1.3046336	1.3220869	1.3395402	45	0002133
46	1.2351113	1.2525646	1.2700179	1.2874712	1.3049245	1.3223778	1:3398311	46	*0002230
47	1.2354022	1.2528555	1.2703088	1.2877621	1.3052154	1.3226687	1.3401220	47	.0002279
48	1.2356931	1.2531464	1.2705997	1.2830530	1.3055063	1.3229596	1.3404129	48	0002327
49 50	1.2359840 1.2362749	1.2534373 1.2537282	1·2708906 1·2711815	1.2883439 1.2886348	1·3057972 1·3060881	1:3232505 1:3235413	1.3407038 1.3409946	49 50	*0002376 *0002424
51	1.2365658	1.2540191	1.2714724	1.2889257		1.3238322	1.3412855	51	*0002473
52	1.2368567	1.2543100	1.2717632	1.2892165	1.3066698	1.3241231	1.3415764	52	*0002521
53	1.2371476	1.2546008	1.2720541	1.2895074	1.3069607	1.3244140	1.3418673	53	0002570
54	1 ·2374384 1 ·2377293	1.2548917 1.2551826	1.2723450 1.2726359	1·2897983 1·2900892	1·3072516 1·3075425	1:3247049 1:3249958	1·3421582 1·3424491	54 55	*0002618
56	1.2380202	1.2554735	1.2729268	1.2903801	1:3078334	1.3252867	1.3427400	56	*0002715
57	1.2383111	1.2557644	1.2732177	1.2906710	1.3081243	1.3255776	1.3430309	57	*0002763
58	1.2386020	1.2560553	1.2735086	1.2909619	1.3084152	1.3258685	1.3433217	53	*0002812
59 60	1.2388929 1.2391838	1.2563462 1.2566371	1·2737995 1·2740904	1·2912528 1·2915436	1:3087061 1:3089969	1·3261593 1·3264502	1·3436126 1·3439035	59 60	*0002860 *0002909
00	1 2001000	1 20003/1	1 2140904	1 2010400	1 20000009	1 3204302	1 3435033	00	3002303
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,	77°	78°	79°	80°	81°	82°	83°	"	
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2	1.3444853	1.3619386	1.3793919	1.3968452	1.4142985	1.4317518	1.4492051	2	0000097
3	1.3447762	1.3622295	1.3796828	1.3971361	1.4145894	1.4320427	1.4494959	3	*0000145
4	1.3450671	1.3625204	1.3799737	1.3974270	1.4148802	1.4323335	1.4497868	4	*0000194
5	1.3453580	1.3628113	1.3802645	1.3977178	1.4151711	1.4326244	1.4500777	5	*0000242
6 7	1·3456489 1·3459397	1·3631021 1·3633930	1.3805554 1.3808463	1·3980087 1·3982996	1·4154620 1·4157529	1·4329153 1·4332062	1·4503686 1·4506595	6	*0000291 *0000339
8	1.3462306	1.3636839	1.3811372	1.3982990	1.4160438	1.4334971	1.4509504	8	0000338
9	1.3465215	1.3639748	1.3814281	1.3988814	1.4163347	1.4337880	1.4512413	9	*0000436
10	1 3463124	1.3642657	1.3817190	1.3991723	1.4166256	1.4340789	1.4515322	10	*0000485
11	1.3471033	1.3645566	1.3820099	1.3994632	1.4169165	1.4343698	1.4518230	11	*0000533
12	1.3473942	1.3648475	1.3823008	1.3997541	1.4172074	1.4346606	1.4521139	12	*0000582
13	1·3476851 1·3479760	1.3651384 1.3654293	1·3825917 1·3828825	1.4000449	1.4174982	1·4349515 1·4352424	1·4524048 1·4526957	13 14	*0000630 *0000679
15	1.3482668	1.3657201	1.3831734	1·4003358 1·4006267	1·4177891 1·4180800	1.4355333	1.4529866	15	00000727
		1.3660110		1.4009176			1.4532775		0000776
16 17	1·3485577 1·3488486	1.3663019	1·3834643 1·3837552	1.4012085	1.4183709 1.4186618	1·4358242 1·4361151	1.4535684	16 17	0000776
18	1.3491395	1.3665928	1.3840461	1.4014994	1.4189527	1.4364060	1.4538593	18	0000873
19	1.3494304	1.3668837	1.3843370	1.4017903	1.4192436	1.4366969	1.4541502	19	*0000921
20	1.3497213	1.3671746	1.3846279	1.4020812	1.4195344	1.4369878	1.4544410	20	*0000970
21	1.3500122	1.3674655	1.3849188	1.4023721	1.4198253	1.4372786	1.4547319	21	.0001018
22	1.3503031	1.3677564	1.3852096	1.4026629	1.4201162	1.4375695	1.4550228	22	*0001067
23	1.3505940	1.3680472	1.3855005	1.4029538	1.4204071	1.4378604	1.4553137	23	*0001115
24 25	1.3508348	1:3683381 1:3686290	1:3857914 1:3860823	1·4032447 1·4035356	1.4206980 1.4209889	1·4381513 1·4384422	1.4556046 1.4558955	24 25	·0001164 ·0001212
-									0001212
26	1·3514666 1·3517575	1.3689199	1·3863732 1·3866641	1·4038265 1·4041174	1·4212798 1·4215707	1·4387331 1·4390240	1.4561864 1.4564773	26 27	0001201
28	1.3520484	1.3695017	1.3869550	1.4044083	1.4218616	1.4393149	1.4567681	28	0001357
29	1.3523393	1.3697926	1.3872459	1.4046992	1.4221525	1.4396057	1.4570590	29	.0001406
30	1.3526302	1.3700835	1.3875368	1.4049900	1.4224433	1.4398966	1.4573499	30	'0001454
31	1.3529211	1.3703744	1.3878276	1.4052809	1.4227342	1.4401875	1.4576408	31	*0001503
32	1.3532119	1.3706652	1.3881185	1.4055718	1.4230251	1.4404784	1.4579317	32	*0001551
33	1.3535028	1.3709561	1.3884094	1.4058627	1·4233160 1·4236069	1.4410601	1.4582226	33	*0001600
34	1·3537937 1·3540846	1·3712470 1·3715379	1·3887003 1·3889912	1·4061536 1·4064445	1.4238978	1·4410601 1·4413511	1·4585135 1·4588044	34 35	*0001648 *0001697
36	1.3543755	1.3718288	1.3892821	1.4067354	1.4241887	1.4416420	1.4590953	36	.0001745
37	1.3546664	1.3721197	1.3895730	1.4070263	1.4244796	1.4419329	1.4593861	37	.0001794
38	1.3549573	1.3724106	1.3898639	1.4073172	1.4247704	1.4422237	1.4596770	38	.0001842
39	1·3552482 1·3555391	1·3727015 1·3729923	1.3901547 1.3904456	1.4076080 1.4078989	1·4250613 1·4253522	1·4425146 1·4428055	1·4599679 1·4602588	39	·0001891 ·0001939
41	1.3558299	1.3732832	1.3907365	1.4081898	1.4256431	1.4480964	1.4605497	41	0001988
42	1.3561208	1.3735741	1.3910274	1.4084807	1.4259340	1.4433873	1.4608406	42	.0002036
43	1.3564117	1.3738650	1.3913183	1.4087716	1.4262249	1.4436782	1.4611315	43	.0002085
44	1.3567026	1.3741559	1.3916092	1.4090625	1.4265158	1.4439691	1.4614224	44	0002133
45	1.3569935	1.3744468	1.3919001	1.4093534	1.4268067	1.4442600	1.4617132	45	*0002182
46	1.3572844	1.3747377	1.3921910	1.4096443	1.4270976	1.4445508	1.4620041	46	*0002230
47	1·3575753 1·3578662	1·3750286 1·3753195	1·3924819 1·3927727	1.4099351	1·4273884 1·4276793	1·4448417 1·4451326	1·4622950 1·4625859	47	0002279
49	1.3573002	1.3756103	1.3930636	1.4102260	1.4279702	1.4454235	1.4628768	49	0002327
50	1.3584479	1.3759012	1.3933545	1.4108078	1.4282611	1.4457144	1.4631677	50	0002424
51	1.3587388	1.3761921	1.3936454	1.4110987	1.4285520	1.4460053	1.4634586	51	0002473
52	1·3590297 1·3593206	1·3764830 1·3767739	1·3939363 1·3942272	1·4113896 1·4116805	1·4288429 1·4291338	1·4462962 1·4465871	1·4637495 1·4640404	52 53	·0002521 ·0002570
54	1.3596115	1.3770648	1.3945181	1.4119714	1.4291333	1.4468779	1.4643312	54	0002570
55	1.3599024	1.3773557	1.3948090	1.4122623	1.4297155	1.4471688	1.4646221	55	*0002666
56	1.3601933	1.3776466	1.3950998	1.4125531	1.4300064	1.4474597	1.4649130	56	0002715
57	1.3604842	1.3779374	1.3953907	1.4128440	1.4302973	1.4477506	1.4652039	57	0002763
58	1.3607750	1·3782283 1·3785192	1·3956816 1·3959725	1·4131349 1·4134258	1·4305882 1·4308791	1·4480415 1·4483324	1.4654948	58 59	0002812
60	1.3613568	1.3788101	1.3962634	1.4137167	1.4311700	1.4486233	1.4660766	60	0002909
	1								
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	1							1	1
,	84°	85°	86°	87°	88°	89°	90°	"	
0	1.4660766	1.4835299	1.5009832	1.5184364	1.5358897	1.5533430	1.5707963	0	*0000000
1	1.4663675	1.4838208	1.5012740	1.5187273	1.5361806	1.5536339	1.5710872	1	*0000048
2 3	1.4666583 1.4669492	1·4841116 1·4844025	1.5015649 1.5018558	1.5190182 1.5193091	1.5364715 1.5367624	1.5539248 1.5542157	1·5713781 1·5716690	2 3	*0000097 *0000145
4	1.4672401	1.4844025	1.5018558	1.5193091	1.5370533	1.5545066	1.5719599	4	*0000145
5	1.4675310	1.4849843	1.5024376	1.5198909	1.5373442	1.5547975	1.5722508	5	0000134
6	1.4678219	1.4852752	1.5027285	1.5201818	1.5376351	1.5550884	1.5725417	6	*0000291
8	1.4681128	1.4855661	1.5030194	1.5204727 1.5207636	1.5379260	1.5553793	1.5728325	8	*0000339
9	1·4684037 1·4686946	1·4858570 1·4861479	1.5033103 1.5036012	1.5210544	1.5382168 1.5385077	1.5556701 1.5559610	1.5731234 1.5734143	9	*0000388 *0000436
10	1.4689855	1.4864387	1.5038920	1.5213453	1.5387986	1.5562519	1.5737052	10	*0000485
11	1.4692763	1.4867296	1.5041829	1.5216362	1.5390895	1.5565428	1.5739961	11	.0000533
12	1.4695672	1.4870205	1.5044738	1.5219271	1.5393804	1.5568337	1.5742870	12	*0000582
13 14	1·4698581 1·4701490	1.4873114	1.5047647 1.5050556	1.5222180 1.5225089	1.5396713 1.5399622	1.5571246	1.5745779	13	*0000630
15	1.4704399	1·4876023 1·4878932	1.5053465	1.5227998	1.5402531	1.5574155 1.5577064	1·5748688 1·5751596	15	0000073
16	1.4707308	1.4881841	1.5056374	1.5230906	1.5405440	1.5579972	1.5754505	16	*0000776
17	1.4710217	1.4884750	1.5059283	1.5233815	1.5408348	1.5582881	1.5757414	17	*0000824
18 19	1·4713126 1·4716034	1.4887659 1.4890567	1.5062191 1.5065100	1.5236724 1.5239633	1.5411257 1.5414166	1.5585790 1.5588699	1.5760323 1.5763232	18 19	*0000873 *0000921
20	1.4718943	1.4893476	1.5068009	1.5242542	1.5417075	1.5591608	1.5766141	20	*0000970
21	1.4721852	1.4896385	1.5070918	1.5245451	1.5419984	1.5594517	1.5769050	21	.0001018
22	1.4724761	1.4899294	1.5073827	1.5248360	1.5422893	1.5597426	1.5771959	22	*0001067
23 24	1.4727670	1.4902203	1.5076736	1.5251269	1.5425802	1.5600335	1.5774868	23	*0001115 *0001164
25	1·4730579 1·4733488	1·4905112 1·4908021	1.5079645 1.5082554	1.5254178 1.5257087	1.5428711 1.5431619	1.5603244 1.5606152	1·5777776 1·5780685	24 25	0001104
26	1.4736397	1.4910930	1.5085463	1.5259995	1.5434528	1.5609061	1.5783594	26	*0001261
27	1.4739306	1.4913838	1.5088371	1.5262904	1.5437437	1.5611970	1.5786503	27	*0001309
28	1.4742214	1.4916747	1.5091280	1.5265813	1.5440346	1.5614879	1.5789412	28	*0001357
29 30	1·4745123 1·4748032	1·4919656 1·4922565	1.5094189 1.5097098	1.5268722 1.5271631	1.5443255 1.5446164	1.5617788 1.5620697	1.5792321 1.5795230	29 30	*0001406 *0001454
31	1.4750941	1.4925474	1.5100007	1.5274540	1.5449073	1.5623606	1.5798139	31	*0001503
32	1.4753850	1.4928383	1.5102916	1.5277449	1.5451982	1.5626515	1.5801047	32	*0001551
33	1.4756759	1.4931292	1.5105825	1.5280358	1.5454891	1.5629423	1.5803956	33	.0001600
34 35	1·4759668 1·4762577	1·4934201 1·4937110	1.510S734 1.5111642	1.5283266 1.5286175	1.5457799 1.5460708	1.5632332 1.5635241	1.5806865 1.5809774	34 35	*0001648 *0001697
36	1.4765485	1.4940018	1.5114551	1.5289084	1.5463617	1.5638150	1.5812683	36	.0001745
37	1.4768394	1.4942927	1.5117460	1.5291993	1.5466526	1.5641059	1.5815592	37	*0001794
38	1.4771303	1.4945836	1.5120369	1.5294902	1.5469435	1.5643968	1.5818501	38	*0001842
39	1.4774212	1.4948745	1.5123278	1.5297811	1.5472344	1.5646877	1.5821410	39	*0001891
40	1.4777121	1.4951654	1.5126187	1.5300720	1.5475253	1.5649786	1.5824319	40	*0001939
41 42	1·4780030 1·4782939	1·4954563 1·4957472	1·5129096 1·5132005	1.5303629 1.5306538	1.5478162 1.5481070	1.5652695 1.5655603	1.5827227 1.5830136	41 42	*0001988 *0002036
43	1.4785848	1.4960381	1.5134913	1.5309446	1.5483979	1.5658512	1.5833045	43	0002085
44	1.4788757	1.4963289	1.5137822	1.5312355	1.5486888	1.5661421	1.5835954	44	*0002133
45	1.4791665	1.4966198	1.5140731	1.5315264	1.5489797	1.5664330	1.5838863	45	*0002182
46	1.4794574	1.4969107	1.5143640	1.5318173	1.5492706	1.5667239	1.5841772	46	·0002230
47	1.4797483	1.4972016	1.5146549	1.5321082	1.5495615	1.5670148	1.5844681	47	*0002279
48	1.4800392	1.4974925	1.5149458	1.5323991	1.5498524	1.5673057	1.5847590	48	0002327
49 50	1·4803301 1·4806210	1·4977834 1·4980743	1.5152367 1.5155276	1.5326900 1.5329809	1.5501433 1.5504342	1.5675966 1.5678874	1.5850498 1.5853407	49 50	*0002376 *0002424
51	1.4809119	1.4983652	1.5158185	1.5332717	1.5507250	1.5681783	1.5856316	51	*0002473
52	1.4812028	1.4986561	1.5161093	1.5335626	1.5510159	1.5684692	1.5859225	52	0002521
53 54	1·4814936 1·4817845	1.4989469	1.5164002	1.5338535	1.5513068	1.5687601	1.5862134	53	·0002570 ·0002618
55	1.4820754	1·4992378 1·4995287	1.5166911 1.5169820	1.5341444 1.5344353	1.5515977 1.5518886	1.5690510 1.5693419	1.5865043 1.5867952	54 55	0002618
56	1.4823663	1.4998196	1.5172729	1.5347262	1.5521795	1.5696328	1.5870861	56	.0002715
57	1.4826572	1.5001105	1.5175638	1.5350171	1.5524704	1.5699237	1.5873770	57	*0002763
58 59	1·4829481 1·4832390	1.5004014 1.5006923	1.5178547	1.5353080	1.5527613	1.5702145	1.5876678	58 59	*0002812 *0002860
60	1.4832390	1.5006923	1.5181456 1.5184364	1.5355989 1.5358897	1.5530521 1.5533430	1.5705054 1.5707963	1.5879587 1.5882496	60	0002800
00	_ 1000200	2 0000002	TOTOTOT	1 0000001	2 0000 100		1 0002100	00	100200

`	Deg.								
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[ ' ]	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1
0	0000000	0000	1.0000000	0000000	1.4142136	0000000	0	1.0000000	60
1	0002909	2909 2909	9997091	0002909	1.4140089	0000000	2	1.0000000	59
2	0005818	2909	9994182	0005818	1.4138022	0000002	2	9999998	58
3	0008727	2909	9991273	0008727	1.4135964	0000004	3	9999996	57
5	0011636 0014544	2908	9988364 9985456	0011636 0014544	1.4133906 1.4131847	0000007 0000011	4	9999993 9999989	55
6		2909					4	9999985	54
7	0017453 0020362	2909	9982547 9979638	0017453 0020362	1·4129788 1·4127729	0000015 0000021	6	9999979	53
8	0023271	2909	9976729	0023271	1.4125670	0000027	6	9999973	52
9	0026180	2909 2909	9973820	0026180	1.4123611	0000034	8	9999966	51
10	0029089	2909	9970911	0029089	1.4121552	0000042	9	9999958	50
11	0031998	2909	9968002	0031998	1.4119492	0000051	10	9999949	49
12	0034907	2908	9965093	0034907	1.4117432	0000061	11	9999939 9999928	48
14	0037815 0040724	2909	9962185 9959276	0037815 0040724	1·4115371 1·4113310	0000072 0000083	11	9999917	46
15	0043633	2909	9956367	0043633	1.4111249	0000095	12 13	9999905	45
16	0046542	2909	9953458	0046542	1.4109188	0000108		9999892	44
17	0040342	2909	9950549	0049451	1.4107126	0000122	14	9999878	43
18	0052360	2909 2908	9947640	0052360	1.4105064	0000137	15 16	9999863	42
19	0055268	2909	9944732	0055269	1.4103001	0000153	16	9999847 9999831	41
20	0058177	2909	9941823	0058178	1.4100938	0000169	18		40
21	0061086	2909	9938914	0061087	1.4098875	0000187	18	9999813	39
22 23	0063995 0066904	2909	9936005 9933096	0063995 0066904	1.4096812 1.4094748	0000205 0000224	19	9999795 9999776	38
24	0069813	2909	9930187	0069813	1.4092684	0000224	20	9999756	36
25	0072721	2908	9927279	0072722	1.4090620	0000264	20 22	9999736	35
26	0075630	2909	9924370	0075630	1.4088556	0000286		9999714	34
27	0078539	2909 2909	9921461	0078539	1.4086491	0000308	22 24	9999692	33
28	0081448	2909	9918552	0081448	1.4084426	0000332	24	9999668	32
29 30	0084357 0087265	2908	9915643 9912735	0084357 0087266	1·4082360 1·4080294	0000356 0000381	25	9999644 9999619	31
1		2909					26		
31 32	0090174	2909	9909826 9906917	0090175 0093084	1·4078228 1·4076162	0000407 0000433	26	9999593	29
33	0093083 0095992	2909	9904008	0095993	1.4074095	0000455	28	9999539	27
34	0098900	2908 2909	9901100	0098902	1.4072028	0000489	28 29	9999511	26
35	0101809	2909	9898191	0101811	1.4069961	0000518	30	9999482	25
36	0104718	2909	9895282	0104720	1.4067894	0000548	31	9999452	24
37	0107627	2908	9892373	0107628	1.4065826	0000579	32	9999421	23
38	0110535 0113444	2909	9889465 9886556	0110536 0113445	1·4063758 1·4061690	0000611 0000643	32	9999389 9999357	22
40	0116353	2909	9883647	0116354	1.4059622	0000677	34	9999323	20
41	0119261	2908	9880739	0119263	1.4057552	0000711	34	9999289	19
42	0119261	2909	9877830	0119203	1.4055482	0000711	35	9999254	18
43	0125079	2909 2908	9874921	0125081	1.4053413	0000782	36 37	9999218	17
44	0127987	2908	9872013	0127990	1.4051344	0000819	38	9999181	16
45	0130896	2909	9869104	0130899	1.4049273	0000857	38	9999143	15
46	0133805	2908	9866195	0133808	1.4047202	0000895	40	9999105	14
47	0136713	2909	9863287	0136717	1.4045132	0000935 0000975	40	9999065	13
49	0139622 0142530	2908	9860378 9857470	0139626 0142534	1.4043062	0000015	41	9999025 9998984	11
50	0145439	2909	9854561	0145442	1.4038918	0001058	42 42	9998942	10
51	0148348	2909	9851652	0148351	1.4036846	0001100		9998900	9
52	0151256	2908 2909	9848744	0151260	1.4034774	0001144	44	9998856	8
53	0154165	2909	9845835	0154169	1.4032701	0001188	46	9998812	7
54 55	0157073 0159982	2909	9842927 9840018	0157078 0159987	1.4030628 1.4028555	0001234 0001280	46	9998766 9998720	6 5
		2908					47		
56	0162890 0165799	2909	9837110	0162896 0165805	1.4026482 1.4024408	0001327 0001375	48	9998673 9998625	3
58	0163799	2908	9834201 9831293	0165805	1.4022334	0001373	48	9998577	2
59	0171616	2909 2908	9828384	0171622	1.4020260	0001473	50 50	9998527	1
60	0174524	2000	9825476	0174530	1.4018186	0001523	00	9998477	0
1,1	Control	nie	37	Carban	Chand	Comen	Die	61	1,
	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
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	1 Deg.							4-4	
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	0174504		0005480	0774500		0001500		0000455	00
1	0174524 0177432	2908	9825476 9822568	0174530 0177439	1.4018186 1.4016111	0001523 0001574	51	9998477 9998426	60 59
2	0180341	2909	9819659	0180348	1.4014036	0001626	52	9998374	58
3	0183249	2908	9816751	0183257	1.4011960	0001679	53	9998321	57
4	0186158	2909 2908	9813842	0186166	1.4009884	0001733	54 54	9998267	56
5	0189066	2908	9810934	0189075	1.4007808	0001787	56	9998213	55
6	0191974	2909	9808026	0191984	1.4005732	0001843	56	9998157	54
8	0194883	2908	9805117	0194892	1·4003655 1·4001578	0001899 0001956	57	9998101 9998044	53 52
9	0197791 0200699	2908	9802209 9799301	0197800 0200709	1.3999500	0001956	58	9997986	51
10	0203608	2909 2908	9796392	0203618	1.3997422	0002073	59 60	9997927	50
11	0206516		9793484	0206527	1.3995344	0002133		9997867	49
12	0209424	2908 2908	9790576	0209436	1.3993266	0002193	60 62	9997807	48
13	0212332	2909	9787668	0212345	1.3991188	0002255	62	9997745	47
14	0215241 0218149	2908	9784759	0215254	1.3989110	0002317	63	9997683 9997620	46
-		2908	9781851	0218162	1.3987031	0002380	64		20
16	0221057 0223965	2908	9778943	0221070 0223979	1·3984952 1·3982872	0002444 0002508	64	9997556 9997492	44
18	0226873	2908	9776035 9773127	0223979	1.3982872	0002508	66	9997426	42
19	0229781	2908	9770219	0229797	1.3978711	0002640	66	9997360	41
20	0232690	2909 2908	9767310	0232706	1.3976630	0002708	68 68	9997292	40
21	0235598		9764402	0235614	1.3974549	0002776		9997224	39
22	0238506	2908 2908	9761494	0238522	1.3972468	0002844	68 70	9997156	38
23	0241414	2908	9758586	0241431	1.3970387	0002914	71	9997086 9997015	37 36
25	0244322 0247230	2908	9755678 9752770	0244340 0247249	1.3968306 1.3966224	0002985 0003057	72	9996943	35
26	0250138	2908					72	9996871	34
27	0253046	2908	9749862 9746954	0250158 0253066	1.3964142	0003129 0003202	73	9996798	33
28	0255954	2908	9744046	0255974	1.3959976	0003276	74	9996724	32
29	0258862	2908 2907	9741138	0258883	1.3957893	0003351	75 76	9996649	31
80	0261769	2908	9738231	0261792	1.3955810	0003427	76	9996573	30
31	0264677	2908	9735323	0264701	1.3953726	0003503	78	9996497	29
32	0267585	2908	9732415	0267610	1.3951642	0003581	78	9996419 9996341	28 27
84	0270493 0273401	2908	9729507 9726599	0270518 0273426	1·3949557 1·3947472	0003659 0003738	79	9996262	26
35	0276309	2908	9723691	0276335	1.3945387	0003818	80	9996182	25
36	0279216	2907	9720784	0279244	1.3943302	0003899	81	9996101	24
37	028:2124	2908	9717876	0282152	1.3941216	0003980	81	9996020	23
38	0285032	2908 2908	9714968	0285060	1.3939130	0004063	83 83	9995937	22
39	0287940 0290847	2907	9712060	0287969	1 3937044	0004146	84	9995854 9995770	21 20
-		2908	9709153	0290878	1.3934958	0004230	86		
41	0293755 0296662	2907	9706245	0293787	1.3932871	0004316	85	9995684 9995599	19
43	0299570	2908	9703338 9700430	0296696 0299604	1·3930784 1 3928697	0004401 0004488	87	9995512	17
44	0302478	2908	9697522	0302512	1.3926610	0004576	88	9995424	16
45	0305385	2907 2908	9694615	0305421	1.3924522	0004664	88 89	9995336	15
46	0308293	2907	9691707	0308330	1.3922434	0004753	90	9995247	14
47	0311200	2907	9688800	0311238	1.3920345	0004843	91	9995157	13
48	0314108 0317015	2907	9685892 9682985	0314146 0317055	1·3918256 1·3916167	0004934 0005026	92	9995066 9994974	12
50	0317015	2907	9682985	0317055	1.3916167	0005026	93	9994881	10
51	0322830	2908	9677170	0322872	1.3911988	0005212	93	9994788	9
52	0325737	2907	9674263	0325780	1.3909898	0005307	95	9994693	
53	0328644	2907 2908	9671356	0328689	1.3907807	0005402	95 96	9994598	8 7 6
54	0331552 0334459	2907	9668448 9665541	0331598 0334506	1·3905716 1·3903625	0005498 0005595	97	9994502 9994405	5
		2907					97		1
56	0337366 0340274	2908	9662634 9659726	0337414 0340323	1·3901534 1·3899443	0005692 0005791	99	9994308 9994209	3 2
58	0343181	2907	9656819	0343232	1.3897352	0005791	99	9994110	2
59	0346088	2907 2907	9653912	0346140	1.3895260	0005991	101 101	9994009	1
60	0348995	2001	9651005	0349048	1.3893168	0006092	101	9993908	0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Corrent	Diff.	Sine	1,
	Cosme	Dill.	vers.	Co-chord	Chord	Covers.	Dill.	Dille	
1					7				1

-	2 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
					1.00001.00	0000000		0000000	00
0	0348995	2907	9651005	0349048	1.3893168	0006092	102	9993908 9993806	60 59
1	0351902	2907	9648098	0351956	1.3891075	0006194	102		
2	0354809	2907	9645191 9642284	0354864 0357773	1·38S8982 1·38S6S89	0006296 0006400	104	9993704 9993600	58
3	0357716 0360623	2907	9639377	0360682	1.3884796	0006505	105	9993495	56
4 5	0360530	2907	9636470	0363590	1.3882702	0006610	105	9993390	55
		2907					106		
6	0366437	2907	9633563	0366498	1.3880608	0006716	107	9993284	54
7	0369344	2907	9630656	0369407	1.3878513	0006823	108	9993177	53
8	0372251	2907	9627749	0372316	1.3876418	0006931	109	9993069	52
9 10	0375158	2907	9624842	0375224	1·3874323 1·3872228	0007040 0007149	109	9992960 9992851	51
1	0378065	2906	9621935	0378132			111		
11	0380971	2907	9619029	0381040	1.3870132	0007260	111	9992740	49
12	0383878	2907	9616122	0383948	1.3368036	0007371	112	9992629	48
13	0386785	2907	9613215	0386857	1.3865940	0007483	113	9992517	47
14	0389692	2906	9610308	0389766	1.3863844	0007596	114	9992404	46
15	0392593	2907	9607402	0392674	1.3861747	0007710	114	9992290	45
16	0395505	2906	9604495	0395582	1.3859650	0007824	116	9992176	44
17	0398411	2907	9601589	0398490	1.3857553	0007940	116	9992060	43
18	0401318	2906	9598682	0401398	1.3855456	0008056	117	9991944	42
19	0404224	2907	9595776	0404307	1.3853358	0008173	118	9991827	41
20	0407131	2906	9592869	0407216	1.3851260	0008291	119	9991709	40
21	0410037		9589963	0410124	1.3849161	0008410	120	9991590	39
22	0412944	2907	9587056	0413032	1.3847062	0008530	120	9991470	38
23	0415850	2906 2907	9584150	0415940	1.3844963	0008650	122	9991350	37
24	0418757	2907	9581243	0418848	1.3842864	0008772	122	9991228	36
25	0421663	2906	9578337	0421756	1.3840764	0008894	123	9991106	35
26	0424569		9575431	0424664	1.3838664	0009017		9990983	34
27	0427475	2906	9572525	0427573	1.3836564	0009141	124 125	9990859	33
28	0430382	2907	9569618	0430482	1.3834464	0009266	125	9990734	32
29	0433288	2906	9566712	0433390	1.3832363	0009391	127	9990609	31
30	0436194	2906 2906	9563806	0436298	1.3830262	0009518	127	9990482	30
31	0439100		9560900	0439206	1.3828160	0009645		9990355	29
32	0442006	2906	9557994	0442114	1.3826058	0009773	128	9990227	28
33	0444912	2906	9555088	0445022	1.3823956	0009902	129	9990098	27
34	0447818	2906	9552182	0447930	1.3821854	0010032	130 131	9989968	26
35	0450724	2906 2906	9549276	0450838	1.3819751	0010163	131	9989837	25
36	0453630		9546370	0453746	1.3817648	0010294		9989706	24
37	0456536	2906	9543464	0456654	1.3815545	0010427	133	9989573	23
38	0459442	2906	9540558	0459562	1.3813442	0010560	133	9989440	22
39	0462347	2905	9537653	0462471	1.3811338	0010694	134	9989306	21
40	0465253	2906	9534747	0465380	1.3809234	0010829	135	9989171	20
41	0468159	2906	9531841	0468288	1.3807129	0010965	136	9989035	19
42	0471065	2906	9528935	0408288	1.3805024	0010905	136	9988899	18
43	0473970	2905	9526030	0474104	1.3802919	0011239	138	9988761	17
44	0476876	2906	9523124	0477012	1.3800814	0011377	138	9988623	16
45	0479781	2905	9520219	0479920	1.3798709	0011516	139	9988484	15
46	0482687	2906	9517313	0482828	1.3796604	0011656	140	9988344	
47	0482087	2905	9514408	0482828	1.3794497	0011090	141	9988203	14
48	0488498	2906	9511502	0488644	1.3792390	0011737	142	9988061	12
49	0491403	2905	9508597	0491552	1.3790284	0011939	142	9987919	11
50	0494308	2905	9505692	0494460	1.3788178	0012225	144	9987775	10
		2906					144		
51 52	0497214 0500119	2905	9502786 9499881	0497368 0500276	1.3786070	0012369 0012514	145	9987631 9987486	9
53	0503024	2905	9496976	0500276	1·3783962 1·3781854	0012514	146	9987340	8 7
54	0505929	2905	9494071	0506092	1.3779746	0012806	146	9987194	6
55	0508835	2906	9491165	0509000	1.3777638	0012954	148	9987046	5
56		2905					148		
57	0511740 0514645	2905	9488260 9485355	0511908	1·3775530 1·3773420	0013102 0013252	150	9986898	3
58	0514645	2905	9485555	0514816 0517724	1.3771310	0013252	150	9986748 9986598	2
59	0520455	2905	9479545	0520631	1.3769201	0013553	151	9986447	1
60	0523360	2905	9476640	0523538	1.3767092	0013705	152	9986295	0
								300000	10
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

	3 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	0523360		9476640	0523538	1.3767092	0013705		9986295	60
1	0526264	2904	9473736	0526446	1.3764981	0013857	152	9986143	59
3	0529169	2905 2905	9470831	0529354	1.3762870	0014011	154 154	9985989	58
3	0532074	2905	9467926	0532262	1.3760760	0014165	155	9985835	57
4	0534979	2904	9465021	0535170	1.3758650	0014320	156	9985680	56
5	0537883	2905	9462117	0538078	1.3756538	0014476	157	9985524	55
6	0540788	2905	9459212	0540986	1.3754426	0014633	158	9985367	54
7	0543693	2904	9456307	0543894	1.3752314	0014791	159	9985209	53
8 9	0546597 0549502	2905	9453403 9450498	0546802	1·3750202 1·3748089	0014950 0015109	159	9985050 9984891	52 51
10	0552406	2904	9430498	0549710 0552618	1.3745976	0015269	160	9984731	50
11	0555311	2905			1.3743863	0015430	161	9984570	49
12	0558215	2904	9444689 9441785	0555525 0558432	1.3741750	0015430	162	9984408	48
13	0561119	2904	9438881	0561340	1.3739636	0015755	163	9984245	47
14	0564024	2905	9435976	0564248	1.3737522	0015919	164 164	9984081	46
15	0566928	2904 2904	9433072	0567156	1.3735408	0016083	166	9983917	45
16	0569832		9430168	0570064	1.3733294	0016249	166	9983751	44
17	0572736	2904 2904	9427264	0572972	1.3731179	0016415	166	9983585	43
18	0575640	2904	9424360	0575880	1.3729064	0016582	168	9983418	42
19	0578544	2904	9421456	0578787	1.3726948	0016750	168	9983250	41
20	0581448	2904	9418552	0581694	1.3724832	0016918	170	9983082	40
21	0584352	2904	9415648	0584602	1.3722716	0017088	170	9982912	39
22	0587256	2904	9412744	0587510	1.3720600	0017258	172	9982742	38
23 24	0590160 0593064	2904	9409840	0590417	1.3718484	0017430 0017602	172	9982570 9982398	37 36
25	0595967	2903	9406936 9404033	0593324 0596232	1·3716368 1·3714250	0017775	173	9982225	35
		2904					173		
26 27	0598871 0601775	2904	9401129	0599140	1·3712132 1·3710014	0017948 0018123	175	9982052 9981877	34
28	0604678	2903	9398225 9395322	0602048 0604956	1.3707896	0018128	176	9981701	32
29	0607582	2904	9392418	0607863	1.3705778	0018475	176	9981525	31
30	0610485	2903 2904	9389515	0610770	1.3703660	0018652	177 178	9981348	30
31	0613389		9386611	0613678	1.3701541	0018830		9981170	29
32	0616292	2903	9383708	0616586	1.3699422	0019009	179	9980991	28
33	0619196	2904 2903	9380804	0619493	1.3697302	0019189	180 180	9980811	27
34	0622099	2903	9377901	0622400	1.3695182	0019369	181	9980631	26
35	0625002	2903	9374998	0625308	1.3693062	0019550	183	9980450	25
36	0627905	2903	9372095	0628216	1.3690942	0019733	183	9980267	24
37	0630808	2903	9369192	0631123	1.3688821	0019916	184	9980084	23
38	0633711 0636614	2903	9366289 9363386	0634030	1:3686700 1:3684579	0020100 0020284	184	9979900 9979716	22 21
40	0639517	2903	9360483	0636937 0639844	1.3682458	0020234	186	9979530	20
	0642420	2903			1		187		
41 42	0645323	2903	9357580 9354677	0642752 0645660	1:3680336 1:3678214	0020657 0020844	187	9979343 9979156	19
43	0648226	2903	9351774	0648567	1.3676091	0020344	188	9978968	17
44	0651129	2903	9348871	0651474	1.3673968	0021002	189	9978779	16
45	0654031	2902 2903	9345969	0654381	1.3671845	0021411	190 190	9978589	15
46	0656934		9343066	0657288	1.3669722	0021601		9978399	14
47	0659836	2902	9340164	0660196	1.3667599	0021793	192 192	9978207	13
48	0662739	2903 2902	9337261	0663104	1.3665476	0021985	192	9978015	12
49	0665641	2902	9334359	0666011	1.3663351	0022179	194	9977821	11
50	0668544	2902	9331456	0668918	1.3661226	0022373	194	9977627	10
51	0671446	2903	9328554	0671825	1.3659102	0022567	196	9977433	9
52 53	0674349 0677251	2902	9325651	0674732	1.3656978	0022763	197	9977237	8
54	0680153	2902	9322749 9319847	0677640 0680548	1:3654852 1:3652726	0022960 0023157	197	9977237 9977040 9976843	8 7 6
55	0683055	2902	9316945	0683455	1.3650600	0023355	198	9976645	5
56	0685957	2902	9314043	0686362	1.3648474	0023555	200	9976445	1
57	0688859	2902	9311141	0689269	1.3646348	0023355	200	9976245	4 3 2 1
58	0691761	2902 2902	9308239	0692176	1.3644222	0023955	200 202	9976045	2
59	0694663	2902 2902	9305337	0695083	1.3642095	0024157	202	9975843	1
60	0697565	2002	9302435	0697990	1.3639968	0024359	202	9975641	0
,	Conina	Die	Verr	Co et .	m 1	0	TD/ CC	Ote -	1,
	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
									1

4 Deg.

,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	0697565 0700467	2902	9302435 9299533	0697990 0700897	1.3639968 1.3637840	0024359 0024563	204	9975641 9975437	60
2	0703368	2901	9296632	0703804	1.3635712	0024767	204	9975233	58
3	0706270	2902	9293730	0706711	1.3633584	0024972	205	9975028	57
4	0709171	2901 2902	9290829	0709618	1.3631456	0025178	206 207	9974822	56
5	0712073	2902	9287927	0712525	1.3629327	0025385	207	9974615	55
6	0714974	2902	9285026	0715432	1.3627198	0025592	209	9974408	54
7	0717876	2901	9282124	0718339	1.3625068	0025801	209	9974199	53
8 9	0720777 0723678	2901	9279223 9276322	0721246	1.3622938 1.3620808	0026010 0026220	210	9973990 9973780	52 51
10	0726580	2902	9273420	0724153 0727060	1.3618678	0026431	211 212	9973569	50
11	0729481	2901	9270519	0729967	1.3616548	0026643	212	9973357	48
12	0732382	2901 2901	9267618	0732874	1.3614418	0026855	214	9973145	48
13	0735283	2901	9264717	0735781	1.3612287	0027069	214	9972931	4
14	0738184	2901	9261816	0738688	1.3610156	0027283	215	9972717	46
15	0741085	2901	9258915	0741595	1.3608024	0027498	216	9972502	4
16	0743986	2901	9256014	0744502	1.3605892	0027714	217	9972286	44
17 18	0746887 0749787	2900	9253113 9250213	0747409 0750316	1·3603759 1·3601626	0027931 0028149	218	9972069 9971851	49
19	0752688	2901	9247312	0753223	1.3599494	0028367	218	9971633	4
20	0755589	2901 2900	9244411	0756130	1.3597362	0028587	220 220	9971413	40
21	0758489		9241511	0759036	1.3595228	0028807	221	9971193	39
22	0761390	2901 2900	9238610	0761942	1.3593094	0029028	221	9970972	3
23	0764290	2900	9235710	0764849	1.3590960	0029250	222	9970750	3
24 25	0767190 0770091	2901	9232810 9229909	0767756	1·3588826 1·3586691	0029472 0029696	224	9970528 9970304	3
		2900		0770663			224		1
26 27	0772991 0775891	2900	9227009 9224109	0773570	1·3584556 1·3582421	0029920 0030146	226	9970080 9969854	3
28	0778791	2900	9224109	0776477 0779384	1.3580286	0030146	226	9969628	3
29	0781691	2900	9218309	0782290	1.3578150	0030599	227	9969401	3
30	0784591	2900 2900	9215409	0785196	1.3576014	0030827	228 2 <b>2</b> 8	9969173	30
31	0787491		9212509	0788103	1.3573878	0031055	230	9968945	2
32	0790391	2900 2899	9209609	0791010	1.3571742	0031285	230	9968715	2
33	0793290	2900	9206710	0793916	1.3569605	0031515	231	9968485	2
34 35	0796190	2900	9203810	0796822	1.3567468	0031746	232	9968254	2
***	0799090	2899	9200910	0799729	1.3565331	0031978	233	9968022	2
36	0801989	2900	9198011	0802636	1.3563194	0032211	234	9967789	2
37 38	0804889 0807788	2899	9195111	0805542	1.3561056 1.3558918	0032445 0032679	234	9967555	2 2
39	0810687	2899	9192212 9189313	0808448 0811355	1.3556779	0032079	236	9967321 9967085	2
40	0813587	2900 2899	9186413	0814262	1.3554640	0033151	236 237	9966849	2
41	0816486		9183514	0817168	1.3552501	0033388		9966612	1
42	0819385	2899 2899	9180615	0820074	1.3550362	0033626	238 239	9966374	1
43	0822284	2899	9177716	0822981	1.3548222	0033865	240	9966135	1
44 45	0825183 0828082	2899	9174817 9171918	0825888 0828794	1·3546082 1·3543942	0034105 0034345	240	9965895 9965655	1
	)	2899					241		1
46	0830981 0833880	2899	9169019	0831700	1·3541802 1·3539661	0034586	242	9965414	1
47 48	0833880	2898	9166120 9163222	0834607 0837514	1.3539661	0034828 0035071	243	9965172 9964929	1 1
49	0839677	2899	9160323	0840420	1.3535378	0035315	244	9964685	li
50	0842576	2899 2898	9157424	0843326	1.3533236	0035560	245 245	9964440	1
51	0845474		9154526	0846232	1.3531094	0035805	247	9964195	
52	0848373	2899 2898	9151627	0849138	1.3528952	0036052	247	9963948	
53	0851271	2898	9148729	0852044	1.3526809	0036299	248	9963701	
54	0854169	2898	9145831	0854950	1.3524666	0036547	249	9963453	
55	0857067	2899	9142933	0857857	1.3522523	0036796	250	9963204	
56	0859966	2898	9140034	0860764	1.3520380	0037046	250	9962954	1
57 58	0862864	2898	9137136	0863670	1.3518236	0037296	252	9962704	
58 59	0865762 0868660	2898	9134238 9131340	0866576 0869482	1·3516092 1·3513948	0037548 0037800	252	9962452 9962200	
60	0871557	2897	9128443	0872388	1.3511804	0038053	253	9961947	
,	Gi-	D:C			Chand	Correr	D:er	Cina	1
	Cosine	Diff,	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	

	o Deg.								
	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1
0	0871557		9128443	0872388	1.3511804	0038053		9961947	60
1	0874455	2898	9125545	0875294	1.3509659	0038307	254	9961693	59
2	0877353	2898	9122647	0878200	1.3507514	0038562	255	9961438	58
3	0880251	2898	9119749	0881106	1.3505369	0038817	255	9961183	57
4	0883148	2897	9116852	0884012	1.3503224	0039074	257	9960926	56
5	0886046	2898	9113954	0886918	1.3501078	0039331	257	9960669	55
-	1000	2897					258		
6.	0888943 ° 0891840	2897	9111057	0889824	1·3498932 1·3496785	0039589 0039848	259	9960411 9960152	54 53
7 8	0891840	2898	9108160 9105262	0892730	1.3494638	0039848	260	9959892	52
9	0897635	2897	9103262	0895636 0898542	1.3492491	0040369	261	9959631	51
10	0900532	2897	9099468	0901448	1.3490344	0040630	261	9959370	50
		2897					263		
11	0903429	2897	9096571	0904354	1.3488196	0040893	263	9959107	49
12	0906326	2897	9093674	0907260	1.3486048	0041156	264	9958844	48
13	0909223	2896	9090777	0910166	1.3483900 1.3481752	0041420 0041685	265	9958580 9958315	46
14 15	0912119	2897	9087881	0913072	1.3479603	0041053	266	9958049	45
	0915016	2897	9084984	0915978			266		
16	0917913	2896	9082087	0918884	1.3477454	0042217	268	9957783	44
17	0920809	2897	9079191	0921789	1.3475304	0042485	268	9957515	43
18	0923706	2896	9076294	0924694	1.3473154	0042753	269	9957247	42
19	0926602	2897	9073398	0927600	1.3471004	0043022	270	9956978	41
20	0929499	2896	9070501	0930506	1.3468854	0043292	271	9956708	-
21	0932395	2896	9067605	0933412	1.3466703	0043563	272	9956437	39
22	0935291	2896	9064709	0936318	1.3464552	0043835	272	9956165	38
23	0938187	2896	9061813	0939224	1.3462401	0044107	273	9955893	37
24	0941083	2896	9058917	0942130	1.3460250	0044380	275	9955620	36
25	0943979	2896	9056021	0945035	1.3458098	0044655	275	9955345	35
26	0946875	2896	9053125	0947940	1.3455946	0044930	275	9955070	34
27	0949771	2895	9050229	0950846	1.3453794	0045205	277	9954795	33
28	0952666	2896	9047334	0953752	1.3451642	0045482	278	9954518	32
29	0955562	2896	9044438	0956657	1.3449489	0045760	278	9954240	31
30	0958458	2895	9041542	0959562	1.3447336	0046038	279	9953962	30
31	0961353		9038647	0962468	1.3445183	0046317		9953683	29
32	0964248	2895	9035752	0965374	1.3443030	0046597	280	9953403	28 27
33	0967144	2896 2895	9032856	0968279	1.3440876	0046878	281 282	9953122	27
34	0970039	2895	9029961	0971184	1.3438722	0047160	283	9952840	26
35	0972934	2895	9027066	0974090	1.3436567	0047443	283	9952557	25
36	0975829		9024171	0976996	1.3434412	0047726		9952274	24
37	0978724	2895	9021276	0979901	1.3432257	0048010	284	9951990	23
38	0981619	2895	9018381	0982806	1.3430102	0045295	285	9951705	22
39	0984514	2895 2894	9015486	0985711	1.3427946	0048581	286 287	9951419	21
40	0987408	2894	9012592	0988616	1.3425790	0048868	288	9951132	20
41	0990303		9009697	0991522	1.3423634	0049156		9950844	19
42	0993197	2894	9006803	0994428	1.3421478	0049444	288	9950556	18
43	0996092	2895	9003908	0997333	1.3419321	0049734	290	9950266	17
44	0998986	2894	9001014	1000238	1.3417164	0050024	290	9949976	16
45	1001881	2895 2894	8998119	1003143	1.3415006	0050315	291	9949685	15
46	1004775		8995225	1006048	1.3412848	0050607	292	9949393	14
47	1004775	2894	8992331	1008953	1.3410690	0050899	292	9949393	13
48	1010563	2894	8989437	1011858	1.3408532	0050599	294	9948807	12
49	1013457	2894	8986543	1011555	1.3406374	0051487	294	9948513	11
50	1016351	2894	8983649	1017670	1.3404216	0051783	296	9948217	10
		2894			1.3402056	0052079	- 296		
51 52	1019245 1022138	2893	8980755	1020575 1023480	1.3399896	0052079	296	9947921	9
53	1022138	2894	8977862 8974963	1026385	1.3397737	0052673	298	9947625 9947327	7
54	1027925	2893	8972075	1029290	1.3395578	0052972	299	9947028	6
55	1030819	2894	8969181	1032195	1.3393417	0053271	299	9946729	8 7 6 5
		2893					301		,
56 57	1033712 1036605	2893	8966288	1035100	1.3391256	0053572	301	9946428	3 2
58	1030005	2894	8963395 89605 <b>01</b>	1038005 1040910	1·3389096 1·3386936	0053873 0054175	302	9946127 9945825	2
59	1039499	2893	8957608	1043815	1.3384774	0054175	302	9945523	1
60	1042392	2893	8954715	1046720	1.3382612	0054477	304	9945523	0
00	2020200		0001110	2010120	1 0004014	0003107		0010210	
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	11
	COSINO	Din.	1015.	oo onord	Onoru	001015.	Dill.	SIZE	
-				-					

,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1,
		2.4	001025,	0110114	00 011014	10201	2,	000.00	
0	1045285	2893	8954715	1046720	1.3382612	0054781	305	9945219	60
1	1048178	2892	8951822	1049624	1.3380450	0055086	305	9944914	59
2	1051070	2893	8948930	1052528	1.3378288	0055391	306	9944609	58
3 4	1053963 1056856	2893	8946037 8943144	1055433 1058338	1·3376125 1·3373962	0055697	307	9944303 9943996	57
5	1050556	2892	8940252	1061243	1.3371799	0056004 0056312	308	9943688	55
-		2893					309		1
6 7	1062641 1065533	2892	8937359 8934467	1064148 1067053	1·3369636 1·3367473	0056621 0056930	309	9943379 9943070	54
8	1068425	2892	8931575	1067053	1.3365310	0050930	310	9942760	52
9	1071318	2893	8928682	1072862	1.3363145	0057552	312	9942448	51
10	1074210	2892 2892	8925790	1075766	1.3360980	0057864	312 313	9942136	50
11	1077102		8922898	1078671	1.3358816	0058177		9941823	49
12	1079994	2892	8920006	1081576	1.3356652	0058490	313	9941510	48
13	1082885	2891	8917115	1084481	1.3354486	0058805	315	9941195	47
14	1085777	2892	8914223	1087386	1.3352320	0059120	315	9940880	46
15	1088669	2892 2891	8911331	1090290	1.3350154	0059437	817 317	9940563	45
16	1091560		8908440	1093194	1.3347988	0059754		9940246	44
17	1094452	2892	8905548	1096099	1.3345822	0060072	318	9939928	43
18	1097343	2891 2891	8902657	1099004	1.3343656	0060390	318	9939610	42
19	1100234	2891 2892	8899766	1101908	1.3341489	0060710	320 321	9939290	41
20	1103126	2891	8896874	1104812	1.3339322	0061031	321	9938969	40
21	1106017		8893983	1107717	1.3337154	0061352		9938648	39
22	1108908	2891	8891092	1110622	1.3334986	0061674	322	9938326	38
23	1111799	2891 2890	8888201	1113526	1.3332818	0061997	323 324	9938003	37
24	1114689	2891	8885311	1116430	1.3330650	0062321	324	9937679	36
25	1117580	2891	8882420	1119334	1.3328481	0062645	326	9937355	35
26	1120471		8879529	1122238	1.3326312	0062971		9937029	34
27	1123361	2890	8876639	1125143	1.3324143	0063297	326	9936703	33
28	1126252	2891 2890	8873748	1128048	1.3321974	0063625	328 328	9936375	32
29	1129142	2890	8870358	1130952	1.3319804	0063953	328	9936047	31
30	1132032	2890	8867968	1133856	1.3317634	0064281	330	9935719	30
31	1134922		8865078	1136760	1.3315463	0064611	331	9935389	29
32	1137812	2890 2890	8862188	1139664	1.3313292	0064942	331	9935058	28
33	1140702	2890	8859298	1142568	1:3311121	0065273	332	9934727	27
34	1143592	2890	8856408	1145472	1.3308950	0065605	333	9934395	26
35	1146482	2890	8853518	1148376	1.3306779	0065938	334	9934062	25
36	1149372	2889	8850628	1151280	1.3304608	0066272	335	9933728	24
37	1152261	2890	8847739	1154184	1.3302435	0066607	336	9933393	23
38	1155151	2889	8844849	1157088	1.3300262	0066943	336	9933057	22
39	1158040	2889	8841960	1159992	1.3298090	0067279	337	9932721	21
40	1160929	2889	8839071	1162896	1.3295918	0067616	339	9932384	20
41	1163818	2889	8836182	1165800	1.3293744	0067955	339	9932045	19
42	1166707	2889	8833293	1168704	1.3291570	0068294	339	9931706	18
43	1169596	2889	8830404	1171608	1.3289397	0068633	341	9931367	17
44	1172485	2889	8827515	1174512	1:3287224 1:3285049	0068974 0069315	341	9931026 9930685	16 15
45	1175374	2889	8824626	1177416			343		
46	1178263	2888	8821737	1180320	1.3282874	0069658	343	9930342	14
47	1181151	2889	8818849	1183224	1.3280699	0070001	344	9929999	13
48	1184040	2888	8815960	1186128	1.3278524	0070345	345	9929655	12
49 50	1186928 1189816	2888	881307.2 8810184	1189031 1191934	1·3276349 1·3274174	0070690 0071035	345	9929310 9928965	11 10
		2888					347		
51	1192704	2889	8807296	1194838	1.3271997	0071382	347	9928618	9
52	1195593	2888	8804407	1197742	1.3269820	0071729	349	9928271 9927922	8
53 54	1198481 1201368	2887	8801519 8798632	1200646 1203550	1·3267644 1·3265468	0072078 0072427	349	9927573	6
55	1201308	2888	8795744	1203550	1.3263291	0072776	349	9927224	5
_		2888					351		
56	1207144	2887	8792856	1209356	1.3261114	0073127	352	9926873 9926521	3
57	1210031 1212919	2888	8789969	1212260	1·3258936 1·3256758	0073479 0073831	352	9926169	2
59	1212919	2887	8787081 8784194	1215164 1218067	1.3254579	0073331	353	9925816	li
60	1218693	2887	8781307	1220970	1.3252400	0074538	354	9925462	Ô
			2102031	200000					1
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

-	Dog.								
	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1,
		2111.					Din.		
0	1218693 1221581	2888	8781307	1220970 1223874	1 ·3252400 1 ·3250222	0074538	355	9925462 9925107	60 59
1 2	1224468	2887	8778419 8775532	1226778	1.3248044	0074893 0075249	356	9924751	58
3	1227355	2887 2886	8772645	1229681	1.3245864	0075606	357 357	9924394	57
4	1230241	2887	8769759	1232584	1.3243684	0075963	358	9924037	56
5	1233128	2887	8766872	1235488	1.3241504	0076321	360	9923679	55
6 7	1236015 1238901	2886	8763985 8761099	1238392 1241295	1:3239324 1:3237144	0076681	360	9923319 9922959	54 53
8	1241788	2887	8758212	1241293	1.3234964	0077041 0077401	360	9922599	52
9	1244674	2886 2886	8755326	1247101	1.3232782	0077763	362 363	9922237	51
10	1247560	2886	8752440	1250004	1.3230600	0078126	363	9921874	50
11	1250446	2886	8749554	1252907	1.3228419	0078489	364	9921511	49
12	1253332 1256218	2886	8746668	1255810	1·3226238 1·3224055	0078853 0079218	365	9921147	48
14	1259104	2886	8743782 8740896	1258713 1261616	1.3221872	0079584	366	9920782 9920416	46
15	1261990	2886 2885	8738010	1264519	1.3219690	0079951	367 367	9920049	45
16	1264875	2886	8735125	1267422	1.3217508	0080318	368	9919682	44
17	1267761	2885	8732239	1270325	1.3215324	0080686	370	9919314	43
18	1270646 1273531	2885	8729354 8726469	1273228 1276131	1·3213140 1·3210956	0081056 0081426	370	9918944	42
20	1276416	2885	8723584	1279034	1.3210956	0081426	370	9918574 9918204	41
21	1279302	2886	8720698	1281937	1.3206588	0082168	372	9917832	39
22	1282186	2884 2885	8717814	1284840	1.3204404	0082541	373 373	9917459	38
23	1285071	2885	8714929	1287743	1.3202219	0082914	374	9917086	37
24 25	1287956 1290841	2885	8712044	1290646	1.3200034	0083288 0083663	375	9916712	36
26		2884	8709159	1293549	1.3197848		376	9916337	
27	1293725 1296609	2884	8706275 8703391	1296452 1299355	1·3195662 1·3193476	0084039 0084416	377	9915961 9915584	34
28	1299494	2885 2884	8700506	1302258	1.3191290	0084794	378	9915206	32
29	1302378	2884	8697622	1305160	1.3189103	0085172	378 379	9914828	31
30	1305262	2884	8694738	1308062	1.3186916	0085551	380	9914449	30
31 32	1308146 1311030	2884	8691854	1310965	1.3184729	00859 <b>31</b> 0086312	381	9914069	29
33	1313913	2883	8688970 8686087	1313868 1316770	1·3182542 1·3180354	0086694	382	9913688 9913306	28 27
34	1316797	2884 2884	8683203	1319672	1.3178166	0087077	383	9912923	26
35	1319681	2883	8680319	1322575	1.3175978	0087460	383 385	9912540	25
36	1322564	2883	8677436	1325478	1.3173790	0087845	385	9912155	24
37	1325447 1328330	2883	8674553	1328380	1:3171601 1:3169412	0088230 0088616	386	9911770	23 22
39	1331213	2883	8671670 8668787	1331282 1334185	1.3167222	0089003	387	9911384 9910997	21
40	1334096	2883 2883	8665904	1337088	1.3165032	0089390	387 389	9910610	20
41	1336979	2883	8663021	1339990	1.3162842	0089779	389	9910221	19
42	1339862	2882	8660138	1342892	1,3160652	0090168	390	9909832	18
43	1342744 1345627	2883	8657256 8654373	1345795 1348698	1:3158461 1:3156270	0090558 0090949	391	9909442 9909051	17 16
45	1348509	2882 2883	8651491	1351600	1.3154079	0091341	392	9908659	15
46	1351392	2882	8648608	1354502	1.3151888	0091734	393	9908266	14
47	1354274	2882	8645726	1357404	1.3149696	0092127	393 395	9907873	13
48	1357156	2882	8642844	1360306	1.3147504	0092522	395	9907478	12
49 50	1360038 1362919	2881	8639962 8637081	1363208 1366110	1·3145312 1·3143120	0092917 0093313	396	9907083 9906687	11 10
51	1365801	2882	8634199	1369012	1:3140927	0093710	397	9906290	9
52	1368683	2882 2881	8631317	1371914	1.3138734	0093710	397	9905893	8
53	1371564	2881	8628436	1374816	1.3136541	0094506	399 399	9905494	8 7
54 55	1374445 1377327	2882	8625555 8622673	1377718	1.3134348	0094905	401	9905095	6 5
56		2881		1380620	1.3132154	0095306	401	9904694	
57	1380208 1383089	2881	8619792 8616911	1383522 1386424	1·3129960 1·3127765	0095707 0096109	402	9904293 9903891	3 2 1
58	1385970	2881 2880	8614030	1389326	1.3125570	0096511	402	9903489	2
59	1388850	2880 2881	8611150	1392228	1.3123375	0096915	404 404	9903085	1
60	1391731		8608269	1395130	1:3121180	0097319	202	9902681	0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
			. 3.01	oo onoru	OHOIG	0010151		2.110	
-									

1.391731		Deg.								
1	,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
1   1894612		2110	2	0010131	O.LOZ G	00 01111		2		
1   1894612	0	1391731	0001	8608269	1395130	1.3121180	0097319	400	9902681	60
2   1397492   2850   8609269S   140984   1:3116790   0098131   479   99014   1403252   2850   8509488   1409885   1:3112396   0098545   407   99016   1403122   2850   8598368   1409688   1:3112396   00999345   407   99016   1403122   2850   8598368   1409688   1:3112396   00999345   407   99016   1403122   2850   8598368   1419540   1:3105066   0100174   411   98094   1411872   28579   85852349   1421244   1:3105141   010997   413   98094   1141761   2850   8582349   1421244   1:3101411   010997   413   98094   1141761   2850   8582349   1421244   1:3101411   010997   413   98994   11417651   2850   8582349   1421244   1:3101411   010997   413   98994   11417651   2850   8587690   1424146   1:309214   0101410   413   98995   11417651   2850   8587690   1424146   1:309214   0101410   413   98995   11417651   2859   85776892   1428350   1:309214   0101410   413   98995   11429168   2879   8576892   1439550   1:309217   0102653   415   98981   143926   2879   8566074   1438663   1:309819   0103466   417   98965   1434926   2879   8566074   1438663   1:308820   0103486   417   98965   11444084   2878   8563360   1441554   1:308820   0103486   417   98965   18444084   2878   8563361   1441554   1:3088320   0104322   419   98965   12444040   2879   8566483   1447356   1:3088320   0104322   419   98965   12446440   2879   8563664   1450285   1:3079149   0105162   422   98942   1245075   2878   8563681   1458562   1:307517   0106606   422   98942   12466085   2878   8563681   1458562   1:307517   0106606   422   98942   1246685   2878   8563681   1458562   1:307517   0106606   422   98952   1465675   2878   854925   1458962   1:307517   0106606   422   98942   1246698   2877   856081   1460861   1:3075017   0106606   422   98952   1465675   2878   854925   1458962   1:306812   010777   425   98927   1460830   2877   8580637   1478467   1:304608   010472   422   98952   1465675   2878   854925   1469667   1:306406   010662   422   98953   146668   2877   8580637   1478467   1:306406   010662   424   98950   146663   287	1			8605388	1398032	1.3118985	0097725		9902275	59
8         14093/22         2880         8500/48         1400783         1311393         0089834         407         99010           5         1400132         2880         8508368         1400688         13112396         0089834         409         90006           6         1400012         2880         8508088         141540         13106804         0099763         411         9800           7         1411802         2880         8585108         141541         13105806         0100585         411         9800           9         1417651         2870         8582349         1421446         13101411         0100907         412         9800           10         1420531         2850         8579400         1424146         13009014         010140         413         98965           11         1429410         2879         857841         142944         1300416         0101823         415         9807           12         1420289         2879         857841         142944         1300416         0102233         415         9807           14         142940         2879         8567953         143855         1300416         1002233         415         9807 <td>2</td> <td></td> <td></td> <td>8602508</td> <td></td> <td>1.3116790</td> <td></td> <td></td> <td>9901869</td> <td>58</td>	2			8602508		1.3116790			9901869	58
\$\frac{1}{5}\$  \text{140}\$\text{122}\$\text{2880}\$  \text{8500}\$\text{85000}\$\text{85000}\$\text{8500}\$\text{8500}\$\text{8500}\$\text{85000}\$\text{8500}\$\text{850000}\$\text{85000}\$\text{85000}\$\text{85000}\$\text{85000}\$\text{85000}\$\text{85000}\$\tex									9901462	57
6         140012         2880         859088         149708         1 1110800         099734         401         99000           7         1411892         2880         858108         141541         1 2105806         000973         411         9809           8         1414772         2880         8585108         141541         1 2105806         0100585         411         9809           9         1417651         2880         8587404         142144         1 3101411         0100907         412         9890           10         1420531         2850         8579406         1424146         1 3009011         0101823         415         98987           12         1426289         2879         8576690         1427047         1 3007015         010283         415         98971           13         1420168         2879         8567953         1438562         1 3009017         0102653         416         98980           14         1432062         2879         8568195         1441554         1 3086020         010394         419         9806           16         1437805         2878         8569135         1447554         1 308850         0104323         417         <	4								9901055	56
6   1409012   2850   8580088   1415441   1:3105606   0100174   411   99008   8   1414472   2850   8585128   141842   1:3105608   0100585   411   98004   1417661   2879   8585234   141842   1:3105608   0100585   411   98004   14107661   2879   8585249   1421244   1:3101411   0100907   412   98004   1241262   1:302608   0100585   412   98004   1241262   1:302608   0100585   412   98004   1241262   1:302608   0102238   415   98061   12426289   2879   8576690   1427047   1:3007015   010283   415   98061   1429048   2879   85676832   1438563   1:3009217   0102653   415   980713   143926   2879   85665074   1438653   1:3009217   0103456   417   98060   1544084   2873   8566374   1445863   1:3088219   0103466   417   98060   14446084   2873   8566436   1444554   1:3086020   0103904   418   98066   1344464   2873   8556436   1447356   1:3081620   0104742   420   98062   1440819   2873   8556081   1456100   1:3077218   0105584   422   98044   221   1459107   2878   8554808   1456802   1:307218   0105584   422   98044   221   145907   2878   8548026   1456802   1:307218   0106428   422   98035   231457863   2877   8556393   145665   1:3066210   0107702   425   98021   4160830   2877   853637   1478467   1:3068012   0107702   425   98021   4160830   2877   853637   1478467   1:306812   0107702   425   98021   4160830   2877   8530637   1478467   1:306812   0107702   425   98021   4167804   2877   8521006   1482170   1:305799   010412   429   98062   1475217   2877   8521006   1482170   1:305799   010412   429   98062   1475217   2877   8521006   1482170   1:306878   0110770   436   9807   4385074   438661   2377   8510399   1485614   1:306878   0110770   426   98022   4467665   1:3066210   0107702   426   98022   446963   2877   8510399   148577   1:306878   011073   429   9806   429   9806   429   9806   429   9806   429   9806   429   9806   429   9806   429   9806   429   9806   429   9806   429   9806   429   9806   429   9806   420   9806   420   9806   420   9806   420   9806   420   9806   42	5	1406132		8593868	1409638	1.3110200	0099354		9900646	55
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19									9895677	43
1440410									9895258	42
21			2879					422	9894838	41 40
22								422		
22			2878					422	9893994	39
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27								426		
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1									9886255	21
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		1547104				1.3004438	0119952		9880048	
56 1552851 2874 8447149 1557582 1*2997806 0121303 452 9878; 57 1555725 2873 8444275 1560482 1*2995565 0121755 453 9878; 58 1558508 2874 8441402 1563382 1*2993384 0122208 454 9877; 59 1561472 2078 8483528 1560282 1*2991172 0122662 454 9877;			2874							6 5
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59 1561472 2874 8438528 1566282 1 2991172 0122662 454 98773									9878245	3
			2874	8441402	1566929			454	9877792	2
200000 200000 120021			2873					455	9876883	0
		2001010		3400000	2007204	2 200000	OIMOILI		3010000	
Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sin	1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1.
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,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	1564345	2873	8435655	1569182	1·2988960	0123117	455	9876883	60
1	1567218	2873	8432782	1572082	1·2986748	0123572	456	9876428	59
2	1570091	2872	8429909	1574982	1·2984536	0124028	458	9875972	58
3	1572963	2873	8427037	1577882	1·2982324	0124486	457	9875514	57
4	1575836	2872	8424164	1580782	1·2980112	0124943	459	9875057	56
5	1578708	2873	8421292	1583681	1·2977898	0125402	460	9874598	55
6 7 8 9 10	1581581 1584453 1587325 1590197 1593069	2872 2872 2872 2872 2872 2871	8418419 8415547 8412675 8409803 8406931	1586580 1589480 1592380 1595280 1598180	1·2975684 1·2973470 1·2971256 1·2969042 1·2966828	0125862 0126322 0126784 0127248 0127709	460 462 462 463 464	9874138 9873678 9873216 9872754 9872291	54 53 52 51 50
11	1595940	2872	8404060	1601079	1·2964613	0128173	464	9871827	49
12	1598812	2871	8401188	1603978	1·2962398	0128637	466	9871363	48
13	1601683	2872	8398317	1606878	1·2960183	0129103	466	9870897	47
14	1604555	2871	8395445	1609778	1·2957968	0129569	467	9870431	46
15	1607426	2871	8392574	1612677	1·2955751	0130036	468	9869964	45
16 17 18 19 20	1610297 1613167 1616038 1618909 1621779	2870 2871 2871 2871 2870 2871	8389703 8386833 8383962 8381091 8378221	1615576 1618475 1621374 1624274 1627174	1·2953534 1·2951318 1·2949102 1·2946885 1·2944668	0130504 0130973 0131443 0131913 0132385	469 470 470 472 472	9869496 9869027 9868557 9868087 9867615	44 43 42 41 40
21 22 23 24 25	1624650 1627520 1630390 1633260 1636129	2870 2870 2870 2869	8375350 8372480 8369610 8366740 8363871	1630073 1632972 1635871 1638770 1641669	1·2942450 1·2940232 1·2938014 1·2935796 1·2933577	0132857 0133330 0133804 0134278 0134754	473 474 474 476	9867143 9866670 9866196 9865722 9865246	39 38 37 36 35
26	163S999	2870	8361001	1644568	1·2931358	0135230	476	9864770	34
27	1641868	2869	8358132	1647467	1·2929139	0135707	477	9864293	33
28	1644738	2870	8355262	1650366	1·2926920	0136185	478	9863815	32
29	1647607	2869	8352393	1653265	1·2924700	0136664	479	9863336	31
30	1650476	2869	8349524	1656164	1·2922480	0137144	480	9862856	30
31	1653345	2869	8346655	1659063	1·2920259	0137625	481	9862375	29
32	1656214	2869	8343786	1661962	1·2918038	0138106	481	9861894	28
33	1659082	2868	8340918	1664861	1·2915817	0138588	482	9861412	27
34	1661951	2869	8338049	1667760	1·2913596	0139071	483	9860929	26
35	1664819	2868	8335181	1670658	1·2911375	0139555	484	9860445	25
36	1667687	2868	8332313	1673556	1·2909154	0140040	485	9859960	24
37	1670556	2869	8329444	1676455	1·2906932	0140525	485	9859475	23
38	1673423	2867	8326577	1679354	1·2904710	0141012	487	9858988	22
39	1676291	2868	8323709	1682253	1·2902487	0141499	487	9858501	21
40	1679159	2868	8320841	1685152	1·2900264	0141987	488	9858013	20
41	1682026	2867	8317974	1688050	1·2898041	0142476	489	9857524	19
42	1684894	2868	8315106	1690948	1·2895818	0142965	489	9857035	18
43	1687761	2867	8312239	1693847	1·2893594	0143456	491	9856544	17
44	1690628	2867	8309372	1696746	1·2891370	0143947	491	9856053	16
45	1693495	2867	8306505	1699644	1·2889146	0144439	492	9855561	15
46	1696362	2867	8303638	1702542	1·2886922	0144932	493	9855068	14
47	1699228	2866	8300772	1705440	1·2884697	0145426	494	9854574	13
48	1702095	2867	8297905	1708338	1·2882472	0145921	495	9854079	12
49	1704961	2866	8295039	1711236	1·2880247	0146417	496	9853583	11
50	1707828	2867	8292172	1714134	1·2878022	0146913	496	9853087	10
51 52 53 54 55	1710694 1713560 1716425 1719291 1722156	2866 2865 2866 2865	8289306 8286440 8283575 8280709 8277844	1717033 1719932 1722830 1725728 1728626	1·2875796 1·2873570 1·2871344 1·2869118 1·2866891	0147410 0147908 0148407 0148907 0149407	497 498 499 500 500	9852590 9852092 9851593 9851093 9850593	9 8 7 6 5
56	1725022	2866	8274978	1731524	1·2864664	0149909	502	9850091	4
57	1727887	2865	8272113	1734422	1·2862436	0150411	502	9849589	3
58	1730752	2865	8269248	1737320	1·2860208	0150914	503	9849086	2
59	1733617	2865	8266383	1740217	1·2857980	0151418	504	9848582	1
60	1736482	2865	8263518	1743114	1·2855752	0151922	504	9848078	0
	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
1736482 1739346 1742211	2864 2865	8263518 8260654 8257789	1743114 1746012 1748910	1.2855752 1.2853523 1.2851294	0151922 0152428 0152934	506 506	9848078 9847572 9847066	60 59 58
1745075 1747939 1750803	2864 2864	8254925 8252061 8249197	1751808 1754706 1757604	1 ·2849065 1 ·2846836 1 ·2844607	0153442 0153950 0154458	508 508	9846558 9846050 9845542	57 56 55
1753667 1756531 1759395 1769258	2864 2864 2863	8246333 8243469 8240605 8237742	1760502 1763399 1766296	1.2842378 1.2840147 1.2837916	0154968 0155479 0155990	511 511 512	9845032 9844521 9844010 9843493	54 53 52 51
1765121 1767984	2863	8234879 8232016	1772092 1774989	1·2833456 1·2831224	0157015 0157529	514	9842985 9842471	50
1770847 1773710 1776573 1779435	2863 2863 2862 2863	8229153 8226290 8223427 8220565	1777886 1780783 1783680 1786578	1*2828992 1*2826760 1*2824528 1*2822296	0158044 0158559 0159076 0159593	515 517 517	9841956 9841441 9840924 9840407	48 47 46 45
1782298 1785160 1788022 1790884 1793746	2862 2862 2862 2862	8217702 8214840 8211978 8209116 8206254	1789476 1792373 1795270 1798167 1801064	1.2820064 1.2817831 1.2815598 1.2813365 1.2811132	0160111 0160630 0161150 0161670 0162192	519 520 520 522	9839889 9839370 9838850 9838330 9837808	44 43 42 41 40
1796607 1799469 1802330 1805191	2862 2861 2861 2861	8203393 8200531 8197670 8194809	1803961 1806858 1809755 1812652	1.2808898 1.2806664 1.2804429 1.2802194	0162714 0163237 0163761 0164285	523 524 524 526	9837286 9836763 9836239 9835715	39 38 37 36 35
1810913 1813774 1816635 1819495	2861 2861 2861 2860 2860	8189087 8186226 8183365 8180505	1818446 1821342 1824238 1827135	1·2797724 1·2795488 1·2793252 1·2791016	0165337 0165864 0166392 0166921	527 528 529	9834663 9834136 9833608 9833079	34 33 32 31
1825215 1828075	2860 2860	8174785 8171925	1832929 1835826	1°2786543 1°2784306	0167451 0167981 0168513	530 532	9832019 9831487	30 29 28
1830935 1833795 1836654	2860 2859 2860	8169065 8166205 8163346	1838722 1841618 1844515	1.2782069 1.2779832 1.2777594	0169045 0169578 0170112	533 534	9830955 9830422 9829888	27 26 25
1839514 1842373 1845232 1848091 1850949	2859 2859 2859 2858 2858	8160486 8157627 8154768 8151909 8149051	1847412 1850308 1853204 1856101 1858998	1·2775356 1·2773118 1·2770880 1·2768641 1·2766402	0170647 0171182 0171718 0172256 0172794	535 536 538 538	9829353 9828818 9828282 9827744 9827206	24 23 22 21 20
1853808 1856666 1859524 1862382	2858 2858 2858 2858	8146192 8143334 8140476 8137618	1861894 1864790 1867686 1870582	1.2764162 1.2761922 1.2759682 1.2757442	0173332 0173872 0174413 0174954	540 541 541 542	9826668 9826128 9825587 9825046	19 18 17 16 15
1868098 1870956 1873813 1876670	2858 2857 2857	8131902 8129044 8126187 8123330	1876374 1879270 1882166 1885062	1·2752962 1·2750721 1·2748480 1·2746238	0176039 0176583 0177127 0177673	543 544 544 546	9823961 9823417 9822873 9822327	14 13 12 11
1882385	2857 2856	8117615	1890854	1.2741754	0178766	547 548	9821781 9821234 9820686	10
1888098 1890954 1893811	2857 2856 2857 2856	8111902 8109046 8106189	1896646 1899542 1902437	1·2737269 1·2735026 1·2732783	0179863 0180413 0180963	549 550 550 552	9820137 9819587 9819037	8 7 6 5
1896667 1899523 1902379 1905234	2856 2856 2855 2856	8103333 8100477 8097621 8094766 8091910	1905332 1908228 1911124 1914020	1.2730540 1.2728296 1.2726052 1.2723808	0181515 0182067 0182620 0183174	552 553 554 554	9818485 9817933 9817380 9816826	4 3 2 1 0
Cosine	Diff,	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,
	1736482 1739346 1742211 1745075 1747939 1750803 1759667 1756531 1759395 1765258 1765212 1767984 17773710 1776573 1779435 1782298 1785160 1788022 1790884 1793746 179670 1799469 1802330 1805191 1808052 1810913 1813774 1816635 1819495 1822355 182935 1819495 1822355 182935 18393	1736482 1739346 2864 1742211 2864 1742211 2864 1747939 2864 1750803 2864 1750807 2864 1750807 2864 1750807 2864 1750807 2864 1750808 2864 1750807 2864 1750808 2863 1765121 2863 1765121 2863 1770847 2863 1770847 2863 1770847 2863 1770873 2862 1779485 2862 1793746 2862 1799489 2862 1799489 2861 1799489 2861 1800302 2861 180031 2861 180032 2861 1810374 2861 1810374 2861 181043 2861 1810635 2860 1825215 2860 1825255 2860 1825255 2860 1833795 1838035 18422373 2859 1842273 2859 1842273 2859 18438091 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 1850949 2858 18509524 2858 18509524 2858 186098 2858 1870966 2857 1879528 2856 1890674 2857 1879528 2856 1890667 2856 1890667 2857 1879528 2856 1890667 2856 1890694 2856 1890694 2857 1898811 2856 1890667 2856 1890694 2856 1890694 2856 1890694 2856 1890694 2856	1786482         2364         \$260518           1739346         2364         \$260664           1742211         2364         \$257789           1745075         2364         \$252001           1760803         2364         \$252001           1753667         2364         \$2494097           175367         2364         \$2494091           1759835         2364         \$2484091           1759835         2363         \$2494006           1765121         2363         \$237742           1765121         2363         \$223437           1770847         2363         \$220163           1773710         2363         \$220290           1776573         2362         \$223427           1779435         2363         \$220526           1782298         2362         \$2117702           1785160         2362         \$211978           178084         2362         \$201178           1790884         2362         \$200116           1790746         2362         \$2003393           1790469         2361         \$197670           180511         2361         \$197670           1805052	1736482         2864         8263518         1748114           1739346         2865         8200654         1746012           1742211         2864         8250925         1751803           1745075         2864         8254925         1751803           1747939         2864         8252061         1754706           1750603         2864         8242001         1757004           1756531         2864         8243469         1763899           1765521         2863         823472         1769194           1765121         2863         823479         1772092           176794         2863         8232016         1774989           1770847         2863         8222015         1774980           1770573         2862         8222427         178360           1770573         2862         8217702         1789476           1785160         2862         8211778         1792373           178084         2862         8211978         1792373           178084         2862         8206254         1801064           1793746         2862         8206254         1801064           1790469         2862         820631 <td>  1736482</td> <td>  1786482</td> <td>  1736432</td> <td>  1796482</td>	1736482	1786482	1736432	1796482

11 Deg.

	LI DOB.								
									1
1	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1'
0	1908090		8091910	1916916	1.2721564	0183728		9816272	60
1	1910945	2855	8089055	1919811	1.2719319	0184284	556	9815716	59
	1913801	2856	8086199	1922706	1.2717074	0184840	556	9815160	58
2 3	1916656	2855	8083344	1925601	1.2714829	0185397	557	9814603	57
4	1919510	2854	8080490	1928496	1.2712584	0185955	558	9814045	56
5	1922365	2855	8077635	1931392	1.2710338	0186514	559	9813486	55
6		2855					559		54
7	1925220 1928074	2854	8074780 8071926	1934288 1937183	1 · 2708092 1 · 2705846	0187073 0187634	561	9812927 9812366	53
8	1930928	2854	8069072	1940078	1.2703600	0188195	561	9811805	52
9	1933782	2854	8066218	1942973	1.2701353	0188757	562	9811243	51
10	1936636	2854	8063364	1945868	1.2699106	0189320	563	9810680	50
		2854					564		
11	1939490	2854	8060510	1948763	1.2696858	0189884	564	9810116	49
12	1942344	2853	8057656	1951658	1.2694610	0190448	566	9809552	48
13	1945197	2853	8054803	1954553	1.2692362	0191014 0191580	566	9808986	47
14	1948050	2853	8051950 8049097	1957448 1960343	1.2690114	0191580	567	9808420 9807853	46
	1950903	2853					568		
16	1953756	2853	8046244	1963238	1.2685616	0192715	569	9807285	44
17	1956609	2852	8043391	1966133	1.2683367	0193284	569	9806716	43
18	1959461	2853	8040539	1969028	1.2681118	0193853	571	9806147	42
19	1962314	2852	8037686	1971922	1.2678869	0194424	571	9805576	41
20	1965166	2852	8034834	1974816	1.2676620	0194995	572	9805005	40
21	1968018		8031982	1977711	1.2674369	0195567		9804433	39
22	1970870	2852 2852	8029130	1980606	1.2672118	0196140	573 574	9803860	38
23	1973722	2852 2851	8026278	1983500	1.2669868	0196714	574	9803286	37
24	1976573	2851	8023427	1986394	1.2667618	0197288	576	9802712	36
25	1979425	2851	8020575	1989289	1.2665366	0197864	576	9802136	35
26	1982276		8017724	1992184	1.2663114	0198440		9801560	34
27	1985127	2851	8014873	1995078	1.2660863	0199017	577	9800983	33
28	1987978	2851 2851	8012022	1997972	1.2658612	0199595	578 578	9800405	32
29	1990829	2850	8009171	2000867	1 2656359	0200173	580	9799827	31
30	1993679	2851	8006321	2003762	1.2654106	0200753	580	9799247	30
31	1996530		8003470	2006656	1.2651853	0201333		9798667	29
32	1999380	2850	8000620	2009550	1.2649600	0201914	581	9798086	28
33	2002230	2850	7997770	2012444	1.2647347	0202496	582	9797504	27
34	2005080	2850	7994920	2015338	1.2645094	0203079	583	9796921	26
35	2007930	2850 2849	7992070	2018232	1.2642840	0203663	584 585	9796337	25
36	2010779		7989221	2021126	1.2640586	0204248		9795752	24
37	2013629	2850	7986371	2024020	1.2638332	0204833	585	9795167	23
38	2016478	2849	7983522	2026914	1.2636078	0205419	586	9794581	22
39	2019327	2849 2849	7980673	2029808	1.2633823	0206006	587 588	9793994	21
40	2022176	2848	7977824	2032702	1.2631568	0206594	588	9793406	20
41	2025024		7974976	2035596	1.2629312	0207182		9792818	19
42	2027873	2849	7972127	2038490	1.2627056	0207772	590	9792228	18
43	2030721	2848	7969279	2041383	1.2624800	0208362	590 591	9791638	17
44	2033569	2848 2849	7966431	2044276	1.2622544	0208953	591	9791047	16
45	2036418	2847	7963582	2047170	1.2620287	0209545	593	9790455	15
46	2039265		7960735	2050064	1.2618030	0210138		9789862	14
47	2042113	2848	7957887	2052957	1.2615773	0210732	594	9789268	13
48	2044961	2848	7955039	2055850	1.2613516	0211326	594	9788674	12
49	2047808	2847	7952192	2058744	1.2611258	0211921	595 596	9788079	11
50	2050655	2847 2847	7949345	2061638	1.2609000	0212517	597	9787483	10
51	2053502		7946498	2064531	1.2606742	0213114		9786886	9
52	2056349	2847	7943651	2067424	1.2604484	0213712	598	9786288	
53	2059195	2846	7940805	2070317	1.2602225	0214311	599	9785689	8 7 6
54	2062042	2847	7937958	2073210	1.2599966	0214910	599	9785090	8
55	2064888	2846 2846	7935112	2076104	1.2597707	0215510	600 601	9784490	5
56	2067734		7932266	2078998	1.2595448	0216111		9783889	4
57	2070580	2846	7929420	2081891	1.2593188	0216713	602	9783287	3
58	2073426	2846	7926574	2084784	1.2590928	0217316	603	9782684	3 2
59	2076272	2846	7923728	2087677	1.2588668	0217920	604	9782080	1
60	2079117	2845	7920883	2090570	1.2586408	0218524	604	9781476	0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
-									

	12 Deg.		-						
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	2079117	2845	7920883	2090570	1.2586408	0218524	605	9781476	60
1	2081962	2845	7918038	2093463	1.2584147	0219129	606	9780871	59
2 3	2084807	2845	7915193	2096356	1 2581886	0219735	607	9780265	58 57
4	2087652 2090497	2845	7912348 7909503	2099248 2102140	1 ·2579625 1 ·2577364	0220342 0220950	608	9779658 9779050	56
5	2093341	2844	7906659	2105033	1.2575102	0221558	608 610	9778442	55
6	2096186	2845	7903814	2107926	1.2572840	0222168		9777832	54
7	2099030	2844 2844	7900970	2110819	1.2570577	0222778	610	9777222	53
8	2101874	2844	7898126	2113712	1.2568314	0223389	611 612	9773611	52
9	2104718	2843	7895282 7892439	2116604	1.2566051	0224001 0224613	612	9775999 9775387	51
	2107561	2844		2119496	1.2563788		614		1
11 12	2110405 2113248	2843	7889595 7886752	2122389 2125282	1.2561525 1.2559262	0225227 0225841	614	9774773 9774159	49
13	2116091	2843	7883909	2123232	1.2556997	0226456	615	9773544	47
14	2118934	2843 2843	7881066	2131066	1.2554732	0227072	616 617	9772928	46
15	2121777	2842	7878223	2133958	1.2552468	0227689	618	9772311	45
16	2124619	2843	7875381	2136850	1.2550204	0228307	618	9771693	44
17	2127462	2842	7872538	2139743	1.2547939	0228925	619	9771075	43
18 19	2130304 2133146	2842	7869696 7866854	2142636 2145528	1.2545674 1.2543408	0229544 0230164	620	97704_6 9769836	42
20	2135988	2842	7864012	2148420	1.2541142	0230785	621	9769215	40
21	2138829	2841	7861171	2151312	1.2538876	0231407	622	9768593	39
22	2141671	2842 2841	7858329	2154204	1.2536610	0232030	623	9767970	38
23	2144512	2841	7855488	2157096	1.2534343	0232653	623 624	9767347	37
24	2147353	2841	7852647	2159988	1 2532076	0233277	625	9766723	36
25	2150194	2841	7849806	2162879	1 2529809	0233902	626	9766098	35
26	2153035	2841	7846965	2165770	1.2527542	0234528	627	9765472	34
27 28	2155876 2158716	2840	7844124 7841284	2168662 2171554	1·2525274 1·2523006	0235155 0235782	627	9764845 9764218	33
29	2161556	2840	7838444	2174446	1.2520738	0236411	629	9763589	31
30	2164396	2840 2840	7835604	2177338	1.2518470	0237040	629 630	9762960	30
31	2167236	2840	7832764	2180229	1.2516201	0237670	631	9762330	29
32	2170076	2839	7829924	2183120	1.2513932	0238301	631	9761699	28
33	2172915	2839	7827085	2186012	1.2511662	0238932	633	9761068	27
35	2175754 2178593	2839	7824246 7821407	2188904 2191795	1.2509392 1.2507123	0239565 0240198	633	9760435 9759802	26 25
36		2839			1.2504854		634		
37	2181432 2184271	2839	7818568 7815729	2194686 2197577	1*2502583	0240832 0241467	635	9759168 9758533	24 23
38	2187110	2839 2838	7812890	2200468	1.2500312	0242103	636	9757897	22
39	2189948	2838	7810052	2203360	1.2498041	0242740	637 637	9757260	21
40	2192786	2838	7807214	2206252	1.2495770	0243377	638	9756623	20
41	2195624	2838	7804376	2209143	1.2493499	0244015	640	9755985	19
42	2198462	2838	7801538	2212034	1.2491228	0244655	639	9755345	18
44	2201300 2204137	2837	7798700 7795863	2214925 2217816	1.2488956 1.2486684	0245294 0245935	641	9754706 9754065	17
45	2206974	2837 2837	7793026	2220707	1.2484411	0246577	642 642	9753423	15
46	2209811		7790189	2223598	1.2482138	0247219		9752781	14
47	2212648	2837 2837	7787352	2226488	1.2479865	0247862	643 644	9752138	13
48	2215485	2836	7784515	2229378	1.2477592	0248506	645	9751494	12
49 50	2218321	2837	7781679	2232269	1.2475318	0249151	646	9750849	111
	2221158	2836	7778842	2235160	1.2473044	0249797	647	9750203	10
51 52	2223994 2226830	2836	7776006	2238051 2240942	1.2470770 1.2468496	0250444 0251091	647	9749556 9748909	9
53	2229666	2836	7773170 7770334	2243832	1.2466222	0251739	648	9748261	8 7 6
54	2232501	2835 2836	7767499	2246722	1.2463948	0252388	649 650	9747612	6
55	2235337	2835	7764663	2249613	1.2461672	0253038	651	9746962	5
56	2238172	2835	7761828	2252504	1.2459396	0253689	651	9746311	4
57	2241007	2835	7758993	2255394	1.2457121	0254340	652	9745660	3 2 1
58 59	2243842 2246676	2834	7756158 7753324	2258284 2261174	1.2454846 1.2452569	0254992 0255645	653	9745008 9744355	1
60	2249511	2835	7750489	2264064	1.2450292	0256299	654	9743701	0
							-		1
′	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
									1

1	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	2249511	2834	7750489	2264064	1-2450292	0256299	655	9743701	60
1	2252345	2834	7747655	2266954	1-2448016	0256954	656	9743046	59
2	2255179	2834	7744821	2269844	1-2445740	0257610	656	9742390	58
3	2258013	2833	7741987	2272734	1-2443462	0258266	657	9741734	57
4	2260846	2834	7739154	2275624	1-2441184	0258923	658	9741077	56
5	2263680	2833	7736320	2278514	1-2438906	0259581	659	9740419	55
6	2266513	2833	7733487	2281404	1·2436628	0260240	660	9739760	54
7	2269346	2833	7730654	2284294	1·2434350	0260900	661	9739100	53
8	2272179	2833	7727821	2287184	1·2432072	0261561	661	9738439	52
9	2275012	2832	7724988	2290074	1·2429793	0262222	662	9737778	51
10	2277844	2833	7722156	2292964	1·2427514	0262884	663	9737116	50
11	2280677	2832	7719323	2295854	1°2425235	0263547	664	9736453	49
12	2283509	2832	7716491	2298744	1°2422956	0264211	665	9735789	48
13	2286341	2831	7713659	2301633	1°2420676	0264876	665	9735124	47
14	2289172	2832	7710828	2304522	1°2418396	0265541	666	9734459	46
15	2292004	2831	7707996	2307412	1°2416115	0266207	668	9733793	45
16	2294835	2831	7705165	2310302	1·2413834	0266875	667	9733125	44
17	2297666	2831	7702334	2313191	1·2411553	0267542	669	9732458	43
18	2300497	2831	7699503	2316080	1·2409272	0268211	670	9731789	42
19	2303328	2831	7696672	2318969	1·2406991	0268881	670	9731119	41
20	2306159	2830	7693841	2321858	1·2404710	0269551	672	9730449	40
21	2308989	2830	7691011	2324747	1·2402428	0270223	672	9729777	39
22	2311819	2830	7688181	2327636	1·2400146	0270895	673	9729105	38
23	2314649	2830	7685351	2330525	1·2397863	0271568	673	9728432	37
24	2317479	2830	7682521	2333414	1·2395580	0272241	675	9727759	36
25	2320309	2829	7679691	2336303	1·2393297	0272916	675	9727084	35
26 27 28 29 30	2323138 2325967 2328796 2331625 2334454	2829 2829 2829 2829 2829 2828	7676862 7674033 7671204 7668375 7665546	2339192 2342081 2344970 2347859 2350748	1·2391014 1·2388731 1·2386448 1·2384163 1·2381878	. 0273591 0274267 0274944 0275622 0276301	676 677 678 679 679	9726409 9725733 9725056 9724378 9723699	34 33 32 31 30
31	2337282	2828	7662718	2353637	1·2379594	0276980	681	9723020	29
32	2340110	2828	7659890	2356526	1·2377310	0277661	681	9722339	28
33	2342938	2828	7657062	2359414	1·2375025	0278342	682	9721658	27
34	2345766	2828	7654234	2362302	1·2372740	0279024	682	9720976	26
35	2348594	2827	7651406	2365191	1·2370454	0279706	684	9720294	25
36 37 38 39 40	2351421 2354248 2357075 2359902 2362729	2827 2827 2827 2827 2827 2826	7648579 7645752 7642925 7640098 7637271	2368080 2370968 2373856 2376744 2379632	1.2368168 1.2365882 1.2363596 1.2361309 1.2359022	0280390 0281074 0281760 0282446 0283133	684 686 686 687 687	9719610 9718926 9718240 9717554 9716867	24 23 22 21 20
41 42 43 44 45	2365555 2368381 2371207 2374033 2376859	2826 2826 2826 2826 2826 2825	7634445 7631619 7628793 7625967 7623141	2382520 2385408 2388297 2391186 2394074	1.2356735 1.2354448 1.2352160 1.2349872 1.2347584	0283820 0284509 0285198 0285888 0286579	689 689 690 691 692	9716180 9715491 9714802 9714112 9713421	19 18 17 16 15
46	2379684	2826	7620316	2396962	1·2345296	0287271	693	9712729	14
47	2382510	2825	7617490	2399849	1·2343007	0287964	693	9712036	13
48	2385335	2824	7614665	2402736	1·2340718	0288657	694	9711343	12
49	2388159	2825	7611841	2405624	1·2338428	0289351	696	9710649	11
50	2390984	2824	7609016	2408512	1·2336138	0290047	695	9709953	10
51	2393808	2825	7606192	2411400	1.2333849	0290742	697	9709258	9
52	2396633	2824	7603367	2414288	1.2331560	0291439	698	9708561	8
53	2399457	2823	7600543	2417175	1.2329269	0292137	698	9707863	7
54	2402280	2824	7597720	2420062	1.2326978	0292835	699	9707165	6
55	2405104	2823	7594896	2422950	1.2324687	0293534	700	9706466	5
56 57 58 59 60	2407927 2410751 2413574 2416396 2419219	2824 2823 2822 2823	7592073 7589249 7586426 7583604 7580781	2425838 2428725 2431612 2434499 2437386	1·2322396 1·2320105 1·2317814 1·2315522 1·2313230	0294234 0294935 0295637 0296339 0297043	701 702 702 704	9705766 9705065 9704363 9703661 9702957	4 3 2 1 0
'	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	'

	14 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3	2419219 2422041 2424863 2427685	2822 2822 2822	7580781 7577959 7575137 7572315	2437386 2440274 2443162 2446049	1·2313230 1·2310937 1·2308644 1·2306351	0297043 0297747 0298452 0299158	704 705 706	9702957 9702253 9701548 9700042	60 59 58 57
5	2430507 2433329	2822 2822 2821	7569493 7566671	2448936 2451823	1·2304058 1·2301765	0299864 0300572	706 708 708	9700136 9699428	56 55
6 7 8 9 10	2436150 2438971 2441792 2444613 2447433	2821 2821 2821 2820 2821	7563850 7561029 7558208 7555387 7552567	2454710 2457596 2460482 2463369 2466256	1·2299472 1·2297178 1·2294884 1·2292589 1·2290294	0301280 0301989 0302699 0303409 0304121	709 710 710 712 712	9698720 9698011 9697301 9696591 9695879	54 53 52 51 50
11 12 13 14 15	2450254 2453074 2455894 2458713 2461533	2820 2820 2819 2820 2819	7549746 7546926 7544106 7541287 7538467	2469143 2472030 2474916 2477802 2480689	1°2287999 1°2285704 1°2283408 1°2281112 1°2278816	0304833 0305547 0306260 0306975 0307691	714 713 715 716 716	9695167 9694453 9693740 9693025 9692309	49 48 47 46 45
16 17 18 19 20	2464352 2467171 2469990 2472809 2475627	2819 2819 2819 2818 2818	7535648 7532829 7530010 7527191 7524373	2483576 2486462 2489348 2492234 2495120	1.2276520 1.2274224 1.2271928 1.2269630 1.2267332	0308407 0309125 0309843 0310562 0311281	718 718 719 719 721	9691593 9690875 9690157 9689438 9688719	44 43 42 41 40
21 22 23 24 25	2478445 2481263 2484081 2486899 2489716	2818 2818 2818 2817	7521555 7518737 7515919 7513101 7510284	2498006 2500892 2503778 2506664 2509550	1·2265035 1·2262738 1·2260440 1·2258142 1·2255843	0312002 0312723 0313445 0314168 0314892	721 722 723 724	9687998 9687277 9686555 9685832 9685108	39 38 37 36 35
26 27 28 29 30	2492533 2495350 2498167 2500984 2503800	2817 2817 2817 2817 2816	7507467 7504650 7501833 7499016 7496200	2512436 2515322 2518208 2521094 2523980	1·2253544 1·2251245 1·2248946 1·2246646 1·2244346	0315617 0316342 0317069 0317796 0318524	725 725 727 727 728	9684383 9683658 9682931 9682204 9681476	34 33 32 31 30
31 32 33 34 35	2506616 2509432 2512248 2515063 2517879	2816 2816 2816 2815 2816	7493384 7490568 7487752 7484937 7482121	2526865 2529750 2532636 2535522 2538407	1·2242046 1·2239746 1·2237445 1·2235144 1·2232842	0319252 0319982 0320712 0321443 0322175	728 730 730 731 732	9680748 9680018 9679288 9678557 9677825	29 28 27 26 25
36 37 38 39 40	2520694 2523508 2526323 2529137 2531952	2815 2814 2815 2814 2815	7479306 7476492 7473677 7470863 7468048	2541292 2544177 2547062 2549947 2552832	1·2230540 1·2228239 1·2225938 1·2223635 1·2221332	0322908 0323642 0324376 0325112 0325848	733 734 734 736 736	9677092 9676358 9675624 9674888 9674152	24 23 22 21 20
41 42 43 44 45	2534766 2537579 2540393 2543206 2546019	2814 2813 2814 2813 2813	7465234 7462421 7459607 7456794 7453981	2555718 2558604 2561488 2564372 2567257	1·2219029 1·2216726 1·2214423 1·2212120 1·2209816	0326585 0327322 0328061 0328800 0329541	737 737 739 739 741	9673415 9672678 9671939 9671200 9670459	19 18 17 16 15
46 47 48 49 50	2548832 2551645 2554458 2557270 2560082	2813 2813 2813 2812 2812	7451168 7448355 7445542 7442730 7439918	2570142 2573027 2575912 2578797 2581682	1·2207512 1·2205208 1·2202904 1·2200599 1·2198294	0330282 0331023 0331766 0332510 0333254	741 741 743 744 744	9669718 9668977 9668234 9667490 9666746	14 13 12 11 10
51 52 53 54	2562894 2565705 2568517 2571328	2812 2811 2812 2811 2811	7437106 7434295 7431483 7428672	2584566 2587450 2590334 2593218	1.2195988 1.2193682 1.2191376 1.2189070	0333999 0334745 0335492 0336239	745 746 747 747 749	9666001 9665255 9664508 9663761	9 8 7 6
55 56 57 58 59	2574139 2576950 2579760 2582570 2585381	2811 2810 2810 2811	7425861 7423050 7420240 7417430 7414619	2596103 2598988 2601872 2604756 2607640	1·2186764 1·2184458 1·2182151 1·2179844 1·2177536	0336988 0337737 0338487 0339238 0339989	749 750 751 751	9663012 9662263 9661513 9660762 9660011	5 4 3 2 1 0
60	2588190 Cosine	2809 Diff.	7411810 Vers.	2610524 Co-chord	1·2175228 Chord	0340742 Covers.	753 Diff.	9659258 Sine	o ,

	15 Deg.								Total mail
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	2588190	2810	7411810	2610524	1·2175228	0340742	753	9659258	60
1	2591000	2810	7409000	2613408	1·2172920	0341495	754	9658505	59
2	2593810	2809	7406190	2616292	1·2170612	0342249	755	9657751	58
3	2596619	2809	7403381	2619176	1·2168304	0343004	756	9656996	57
4	2599428	2809	7400572	2622060	1·2165996	0343760	756	9656240	56
5	2602237	2809	7397763	2624943	1·2163687	0344516	756	9655484	55
6	2605045	2808	7394955	2627826	1·2161378	0345274	758	9654726	54
7	2607853	2809	7392147	2630710	1·2159068	0346032	759	9653968	53
8	2610662	2807	7389338	2633594	1·2156758	0346791	760	9653209	52
9	2613469	2808	7386531	2636478	1·2154448	0347551	760	9652449	51
10	2616277	2808	7383723	2639362	1·2152138	0348311	762	9651689	50
11	2619085	2807	7380915	2642245	1·2149827	0349073	762	9650927	49
12	2621892	2807	7378108	2645128	1·2147516	0349835	763	9650165	48
13	2624699	2807	7375301	2648011	1·2145205	0350598	764	9649402	47
14	2627506	2806	7372494	2650894	1·2142894	0351362	765	9648638	46
15	2630312	2806	7369688	2653777	1·2140583	0352127	765	9647873	45
16	2633118	2807	7366882	2656660	1·2138272	0352892	767	9647108	44
17	2635925	2805	7364075	2659543	1·2135960	0353659	767	9646341	43
18	2638730	2806	7361270	2662426	1·2133648	0354426	768	9645574	42
19	2641536	2806	7358464	2665309	1·2131335	0355194	769	9644806	41
20	2644342	2806	7355658	2668192	1·2129022	0355963	769	9644037	40
21	2647147	2805	7352853	2671075	1.2126709	0356732	771	9643268	39
22	2649952	2805	7350048	2673958	1.2124396	0357503	771	9642497	38
23	2652757	2804	7347243	2676841	1.2122082	0358274	772	9641726	37
24	2655561	2805	7344439	2679724	1.2119768	0359046	773	9640954	36
25	2658366	2804	7341634	2682606	1.2117454	0359819	774	9640181	35
26	2661170	2803	7338830	2685488	1.2115140	0360593	774	9639407	34
27	2663973	2804	7336027	2688371	1.2112825	0361367	775	9638633	33
28	2666777	2804	7333223	2691254	1.2110510	0362142	777	9637858	32
29	2669581	2803	7330419	2694136	1.2108195	0362919	776	9637081	31
30	2672384	2803	7327616	2697018	1.2105880	0363695	778	9636305	30
31 32 33 34 35	2675187 2677989 2680792 2683594 2686396	2802 2803 2802 2802 2802 2802	7324813 7322011 7319208 7316406 7313604	2699901 2702784 2705666 2708548 2711430	1·2103564 1·2101248 1·2098932 1·2096616 1·2094299	0364473 0365252 0366031 0366811 0367592	779 779 780 781 782	9635527 9634748 9633969 9633189 9632408	29 28 27 26 25
36	2689198	2802	7310802	2714312	1·2091982	0368374	783	9631626	24
37	2692000	2801	7308000	2717194	1·2089665	0369157	783	9630843	23
38	2694801	2801	7305199	2720076	1·2087348	0369940	785	9630060	22
39	2697602	2801	7302398	2722957	1·2085030	0370725	785	9629275	21
40	2700403	2801	7299597	2725838	1·2082712	0371510	786	9628490	20
41	2703204	2800	7296796	2728720	1·2080394	0372296	787	9627704	19
42	2706004	2801	7293996	2731602	1·2078076	0373083	787	9626917	18
43	2708805	2800	7291195	2734484	1·2075757	0373870	788	9626130	17
44	2711605	2799	7288395	2737366	1·2073438	0374658	790	9625342	16
45	2714404	2800	7285596	2740247	1·2071119	0375448	790	9624552	15
46 47 48 49 50	2717204 2720003 2722802 2725601 2728400	2799 2799 2799 2799 2799 2798	7282796 7279997 7277198 7274399 7271600	2743128 2746009 2748890 2751772 2754354	1·2068800 1·2066480 1·2064160 1·2061840 1·2059520	0376238 0377028 0377820 0378613 0379406	790 792 793 793 794	9623762 9622972 9622180 9621387 9620594	14 13 12 11 10
51 52 53 54 55	2731198 2733997 2736794 2739592 2742390	2799 2797 2798 2798 2798 2797	7268802 7266003 7263206 7260408 7257610	2757535 2760416 2763297 2766178 2769059	1·2057199 1·2054878 1·2052556 1·2050234 1·2047912	0380200 0380995 0381790 0382587 0383384	795 795 797 797 798	9619800 9619005 9618210 9617413 9616616	9 8 7 6 5
56 57 58 59 60	2745187 2747984 2750781 2753577 2756374	2797 2797 2796 2797	7254813 7252016 7249219 7246423 7243626	2771940 2774820 2777700 2780581 2783462	1·2045590 1·2043268 1·2040946 1·2038623 1·2036300	0384182 0384981 0385781 0386582 0387383	799 800 801 801	9615818 9615019 9614219 9613418 9612617	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

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,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1
0	2756374		7243626	2783462	1.2036300	0387383	200	9612617	60
1	2759170	2796	7240830	2786343	1.2033977	0388185	802	9611815	59
2	2761965	2795 2796	7238035	2789224	1.2031654	0388988	803 804	9611012	58
3	2764761	2795	7235239	2792104	1.2029330	0389792	805	9610208	57
4	2767556	2796	7232444	2794984	1.2027006	0390597	805	9609403	56
5	2770352	2795	7229648	2797864	1.2024682	0391402	806	9608598	55
6	2773147	2794	7226853	2800744	1.2022358	0392208	808	9607792	54
7 8	2775941 2778736	2795	7224059	2803624	1.2020033	0393016	807	9606984 9606177	53
9	2781530	2794	7221264 7218470	2806504 2809384	1.2017708 1.2015382	0393823 0394632	809	9605368	51
10	2784324	2794 2794	7215676	2812264	1.2013056	0395442	810 810	9604558	50
11	2787118		7212882	2815144	1.2010730	0396252		9603748	49
12	2789911	2793	7210089	2818024	1.2008404	0397063	811	9602937	48
13	2792704	2793 2793	7207296	2820904	1.2006078	0397875	812 813	9602125	47
14	2795497	2793	7204503	2823784	1.2003752	0398688	813	9601312	46
15	2798290	2793	7201710	2826664	1.2001425	0399501	815	9600499	45
16	2801083	2792	7198917	2829544	1.1999098	0400316	815	9599684	44
17	2803875	2792	7196125	2832423	1.1996770	0401131	816	9598869	43
18 19	2806667 2809459	2792	7193333 7190541	2835302 2838182	1.1994442	0401947 0402764	817	9598053 9597236	42
20	2812251	2792	7180541	2841062	1·1992114 1·1989786	0402764	818	9597230	40
21	2815042	2791	7184958	2843941	1.1987458	0404400	818	9595600	39
22	2815042	2791	7184958	2846820	1.1987458	0404400	819	9595000	38
23	2820624	2791	7179376	2849699	1.1982801	0406039	820	9593961	37
24	2823415	2791	7176585	2852578	1.1980472	0406860	821	9593140	36
25	2826205	2790 2790	7173795	2855457	1.1978142	0407682	822 822	9592318	38
26	2828995		7171005	2858336	1.1975812	0408504	824	9591496	34
27	2831785	2790 2790	7168215	2861215	1.1973483	0409328	824	9590672	33
28	2834575	2789	7165425	2864094	1.1971154	0410152	825	9589848	32
29 30	2837364 2840153	2789	7162636 7159847	2866973 2869852	1·1968823 1·1966492	0410977 0411803	826 826	9589023 9588197	31
31	2842942	2789	7157058	2872731	1.1964161	0412629		9587371	29
32	2845731	2789	7154269	2875610	1.1961830	0413457	828	9586543	28
33	2848520	2789	7151480	2878489	1.1959498	0414285	828 829	9585715	27
34	2851308	2788 2788	7148692	2881368	1.1957166	0415114	830	9584886	26
35	2854096	2783	7145904	2884246	1.1954834	0415944	830	9584056	25
36	2856884	2787	7143116	2887124	1.1952502	0416774	832	9583226	24
37	2859671	2787	7140329	2890002	1.1950170	0417606	832	9582394	23
38	2862458	2788	7137542	2892880	1.1947838	0418438	833	9581562	25
39	2865246 2868032	2786	7134754 7131968	2895759	1.1945505	0419271 0420105	834	9580729 9579895	20
		2787		2898638	1.1943172		835		
41	2870819 2873605	2786	7129181	2901516	1·1940838 1·1938504	0420940	835	9579060 9578225	118
42	2873605	2786	7126395 7123609	2904394 2907272	1.1938504	0421775 0422611	836	9578225	17
44	2879177	2786	7123009	2910150	1.1933836	0422011	837	9576552	10
45	2881963	2786	7118037	2913028	1.1931502	0424286	838 839	9575714	1
46	2884748	2785	7115252	2915906	1.1929168	0425125		9574875	14
47	2887533	2785	7112467	2918783	1.1926833	0425965	840	9574035	1
48	2890318	2785	7109682	2921660	1.1924498	0426805	840	9573195	1
49	2893103	2785	7106897	2924538	1.1922162	0427646	841 842	9572354	1
50	2895887	2784 2784	7104113	2927416	1.1919826	0428488	843	9571512	1
51	2898671		7101329	2930293	1.1917490	0429331	844	9570669	
52	2901455	2784 2784	7098545	2933170	1.1915154	0430175	844	9569825	
53	2904239	2783	7095761	2936048	1.1912818	0431019	845	9568981	1
54	2907022	2783	7092978	2938926	1.1910482	0431864	846	9568136	
55	2909805	2783	7090195	2941803	1.1908145	0432710	847	9567290	
56	2912588	2783	7087412	2944680	1.1905808	0433557	848	9566443	
57	2915371	2782	7084629	2947557	1.1903470	0434405 0435253	848	9565595 9564747	
58 59	2918153 2920935	2782	7081847 7079065	2950434 2953311	1·1901132 1·1898794	0436102	849	9563898	
60	2923717	2782	7079005	2956188	1.1896456	0436952	850	9563048	1
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers	Diff.	Sine	1
		APITI.	vers.	CO-chord	unord	Covers.	DIII.	Біпе	-

	17 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	-
0 1 2 3 4 5	2923717 2926499 2929280 2932061 2934842 2937623	2782 2781 2781 2781 2781	7076283 7073501 7070720 7067939 7065158 7062377	2956188 2959065 2961942 2964819 2967696 2970572	1:1896456 1:1894117 1:1891778 1:1889439 1:1887100 1:1884761	0436952 0437803 0438655 0439508 0440361 0441215	851 852 853 853 854	9563048 9562197 9561345 9560492 9559639 9558785	60 59 58 57 56 55
6 7 8 9 10	2940403 2943183 2945963 2948743 2951522	2780 2780 2780 2780 2779 2780	7059597 7056817 7054037 7051257 7048478	2973448 2976325 2979202 2982078 2984954	1·1882422 1·1880082 1·1877742 1·1875401 1·1873060	0442070 0442926 0443782 0444639 0445498	855 856 856 857 859 859	9557930 9557074 9556218 9555361 9554502	54 53 52 51 50
11 12 13 14 15	2954302 2957081 2959859 2962638 2965416	2779 2778 2779 2778 2778 2778	7045698 7042)19 7040141 7037362 7034584	2987830 2990706 2993583 2996460 2999336	1:1870719 1:1868378 1:1866036 1:1863694 1:1861352	0446357 0447216 0448077 0448938 0449801	859 861 861 863 863	9553643 9552784 9551923 9551062 9550199	49 48 47 46 45
16 17 18 19 20	2968194 2970971 2973749 2976526 2979303	2777 2778 2777 2777 2777 2776	7031806 7029029 7026251 7023474 7020697	3002212 3005087 3007962 3010838 3013714	1·1859010 1·1856668 1·1854326 1·1851982 1·1849638	0450664 0451527 0452392 0453257 0454124	863 865 865 867 867	9549336 9548473 9547608 9546743 9545876	44 43 42 41 40
21 22 23 24 25	2982079 2984856 2987632 2990408 2993184	2777 2776 2776 2776 2776 2776	7017921 7015144 7012368 7009592 7006816	3016590 3019466 3022341 3025216 3028092	1·1847295 1·1844952 1·1842608 1·1840264 1·1837919	0454991 0455859 0456727 0457597 0458467	868 863 870 870 871	9545009 9544141 9543273 9542403 9541533	39 38 37 36 35
26 27 28 29 30	2995959 2998734 3001509 3004284 3007058	2775 2775 2775 2774 2774	7004041 7001266 6998491 6995716 6992942	3030968 3033843 3036718 3039593 3042468	1·1835574 1·1833229 1·1830884 1·1828538 1·1826192	0459338 0460210 0461083 0461956 0462830	872 873 873 874 876	9540662 9539790 9538917 9538044 9537170	34 33 32 31 30
31 32 33 34 35	3009832 3012606 3015380 3018153 3020926	2774 2774 2773 2773 2773	6990168 6987394 6984620 6981847 6979074	3045343 3048218 3051093 3053968 3056842	1·1823846 1·1821500 1·1819154 1·1816808 1·1814461	0463706 0464582 0465458 0466336 0467214	876 876 878 878 879	9536294 9535418 9534542 9533664 9532786	29 28 27 26 25
36 37 38 39 40	3023699 3026471 3029244 3032016 3034788	2772 2773 2772 2772 2772 2771	6976301 6973529 6970756 6967984 6965212	3059716 3062591 3065466 3068340 3071214	1·1812114 1·1809766 1·1807418 1·1805070 1·1802722	0468093 0468973 0469854 0470736 0471618	880 881 882 882 883	9531907 9531027 9530146 9529264 9528382	24 23 22 21 20
41 42 43 44 45	3037559 3040331 3043102 3045872 3048643	2772 2771 2770 2771 2770	6962441 6959669 6956898 6954128 6951357	3074089 3076964 3079338 3082712 3085586	1·1800373 1·1798024 1·1795675 1·1793326 1·1790977	0472501 0473385 0474270 0475156 0476042	884 885 886 886	9527499 9526615 9525730 9524844 9523958	19 18 17 16 15
46 47 48 49 50	3051413 3054183 3056953 3059723 3062492	2770 2770 2770 2770 2769 2769	6948587 6945817 6943047 6940277 6937508	3088460 3091334 3094208 3097082 3099956	1·1788628 1·1786278 1·1783928 1·1781577 1·1779226	0476929 0477817 0478706 0479596 0480486	887 888 889 890 890 891	9523071 9522183 9521294 9520404 9519514	14 13 12 11 10
51 52 53 54 55	3065261 3068030 3070798 3073566 3076334	2769 2768 2768 2768 2768 2768	6934739 6931970 6929202 6926434 6923666	3102829 3105702 3108576 3111450 3114323	1·1776875 1·1774524 1·1772172 1·1769820 1·1767468	0481377 0482269 0483162 0484056 0484950	892 893 894 894 896	9518623 9517731 9516838 9515944 9515050	9 8 7 6 5
56 57 58 59 60	3079102 3081869 3084636 3087403 3090170	2767 2767 2767 2767 2767	6920898 6918131 6915364 6912597 6909830	3117196 3120070 3122944 3125817 3128690	1·1765116 1·1762764 1·1760412 1·1758059 1·1755706	0485846 0486742 0487639 0488536 0489435	896 897 897 899	9514154 9513258 9512361 9511464 9510565	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

	13 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
	0000170		0000000	0100000	1.1755700	0400405		0510505	60
0	3090170	2766	6909830	3128690	1.1755706	0489435	899	9510565 9509666	59
1 2	3092936	2766	6907064	3131563	1.1753352	0490334	900	9508766	58
3	3095702 3098468	2766	6904298 6901532	3134436 3137309	1·1750998 1·1748644	0491234 0492135	901	9507865	57
4	3101234	2766	6898766	3140182	1.1746290	0493037	902	9506963	56
5	3103999	2765	6896001	3143054	1.1743935	0493939	902	9506061	55
6	8106764	2765	6893236	3145926	1.1741580	0494843	904	9505157	54
7	3109529	2765	6890471	3148799	1.1739225	0495747	904	9504253	53
8	8112294	2765	6887706	3151672	1.1736870	0496652	905	9503348	52
9	3115058	2764	6884942	3154544	1.1734515	0497557	905 907	9502443	51
10	3117822	2764 2764	6882178	3157416	1.1732160	0498464	907	9501536	50
11	3120586	2763	6879414	3160289	1.1729804	0499371	908	9500629	49
12	3123349	2763	6876651	3163162	1.1727448	0500279	909	9499721	48
13	8126112	2763	6873888	3166034	1.1725091	0501188	910	9498812	47
14	3128875	2763	6871125	3168906	1.1722734	0502098	911	9497902	46
15	3131638	2762	6868362	3171778	1.1720377	0503009	911	9496991	45
16	3134400	2763	6865600	3174650	1.1718020	0503920	912	9496080	44
17	3137163	2762	6862837	3177522	1.1715662	0504832	913	9495168	43
18	3139925	2761	6860075	3180394	1.1713304	0505745	914	9494255	42
19	3142686	2762	6857314	3183266	1.1710946	0506659	915	9493341 9492426	41
20	3145448	2761	6854552	3186138	1.1708588	0507574	915		
21	3148209	2760	6851791	3189009	1.1706230	0508489	916	9491511	39
22	3150969	2761	6849031	3191880	1.1703872	0509405	917	9490595	38
23	3153730	2760	6846270	3194752	1.1701513	0510322	918	9489678	37
24 25	3156490 3159250	2760	6843510 6840750	3197624 3200495	1·1699154 1·1696794	0511240 0512158	918	9488760 9487842	36
		2760					920		
26	3162010	2760	6837990	3203366	1.1694434	0513078	920	9486922	34
27 28	3164770	2759	6835230	3206238	1.1692074	0513998	921	9486002	33
29	3167529 3170288	2759	6832471 6829712	3209110 3211981	1·1689714 1·1687354	0514919 0515841	922	9485081 9484159	32
30	3173047	2759	6826953	3214852	1.1684994	0516763	922	9483237	30
31	3175805	2758	6824195	3217723	1.1682633	0517687	924	9482313	29
32	3178563	2758	6821437	3220594	1.1680272	0517687	924	9481389	28
33	3181321	2758	6818679	3223464	1.1677910	0519536	925	9480464	27
34	3184079	2758	6815921	3226334	1.1675548	0520462	926	9479538	26
35	3186836	2757 2757	6813164	3229205	1.1673186	0521388	926 928	9478612	25
36	3189593		6810407	3232076	1.1670824	0522316		9477684	24
37	3192350	2757	6807650	3234947	1.1668462	0523244	928	9476756	23
38	3195106	2756	6804894	3237818	1.1666100	0524173	929 930	9475827	22
39	3197863	2757 2756	6802137	3240688	1.1663737	0525103	931	9474897	21
40	3200619	2755	6799381	3243558	1.1661374	0526034	931	9473966	20
41	3203374		6796626	3246429	1.1659010	0526965		9473035	19
42	3206130	2756 2755	6793870	3249300	1.1656646	0527897	932 933	9472103	18
43	3208885	2755	6791115	3252170	1.1654282	0528830	934	9471170	17
44	3211640	2755	6788360	3255040	1.1651918	0529764	935	9470236	16
45	3214395	2754	6785605	3257910	1.1649554	0530699	935	9469301	15
46	3217149	2754	6782851	3260780	1.1647190	0531634	936	9468366	14
47	3219903	2754	6780097	3263650	1.1644825	0532570	937	9467430	13
48	3222657	2754	6777343	3266520	1.1642460	0533507	938	9466493	12
49 50	3225411 3228164	2753	6774589 6771836	3269389 3272258	1·1640094 1·1637728	0534445 0535384	939	9465555 9464616	11 10
		2753					939		1
51	3230917	2753	6769083 6766330	3275128	1.1635362	0536323	941	9463677	9
52	3233670 3236422	2752	6763578	3277998 3280867	1·1632996 1·1630630	0537264 0538205	941	9462736 9461795	8
54	3239174	2752	6760826	3283736	1.1628264	0539146	941	9460854	7 6
55	3241926	2752	6758074	3286606	1.1625897	0540089	943	9459911	5
56	3244678	2752	6755322	3289476	1.1623530	0541032	943	9458968	4
57	3244078	2751	6752571	3289476	1.1623530	0541032	945	9458968	3
58	3250180	2751	6749820	3295214	1.1618794	0542922	945	9457078	2
59	3252931	2751	6747069	3298083	1.1616427	0543868	946	9456132	1
60	3255682	2751	6744318	3300952	1.1614060	0544814	946	9455186	0
									10
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
	5				1				1
									-

	19 Deg.								-
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	3255682		6744318	3300952	1.1614060	0544814	0.40	9455186	60
i	3258432	2750	6741568	3303821	1.1611691	0545762	948	9454238	59
2	3261182	2750	6738818	3306690	1.1609322	0546710	948	9453290	58
3	3263932	2750	6736068	3309559	1.1606953	0547659	949 950	9452341	57
4	3266681	2749 2749	6733319	3312428	1.1604584	0548609	950	9451391	56
5	3269430	2749	6730570	3315296	1.1602215	0549559	952	9450441	55
6	3272179	2749	6727821	3318164	1.1599846	0550511	952	9449489	54
7	3274928	2749	6725072	3321033	1.1597476	0551463	953	9448537	53
8	3277676	2748	6722324	3323902	1.1595106	0552416	954	9447584	52
9	3280424	2748	6719576	3326770	1 1592736	0553370	955	9446630	51
10	3283172	2747	6716828	3329638	1.1590366	0554325	955	9445675	
11	3285919	2747	6714081	3332506	1.1587995	0555280	956	9444720	49
12	3288666	2747	6711334	3335374	1.1585624	0556236	957	9443764	48
13	3291413 3294160	2747	6708587	3338243	1.1583252	0557193 0558151	958	9442807 9441849	47
15	3294100	2746	6705840 6703094	3341112 3343979	1·1580880 1·1578509	0559110	959	9441849	45
		2747					959		
16	3299653	2745	6700347	3346846	1.1576138	0560069	960	9439931	44
17 18	3302398 3305144	2746	6697602 6694856	3349714 3352582	1·1573765 1·1571392	0561029 0561990	961	9438971 9438010	43
19	3307889	2745	6692111	3355450	1.1569019	0562952	962	9437048	41
20	3310634	2745	6689366	3358318	1.1566646	0563915	963	9436085	40
21	3313379	2745	6686621		1.1564273	0564878	963	9435122	39
22	3316123	2744	66S3877	3361185 3364052	1.1561900	0565843	965	9434157	38
23	3318867	2744	6681133	3366920	1.1559526	0566808	965	9433192	37
24	3321611	2744	6678389	3369788	1.1557152	0567773	965	9432227	36
25	3324355	2744	6675645	3372655	1.1554778	0568740	967 967	9431260	35
26	3327098	2743	6672902	3375522	1.1552404	0569707		9430293	34
27	3329841	2743	6670159	3378389	1.1550029	0570676	969	9429324	33
28	3332584	2743	6667416	3381256	1.1547654	0571645	969 969	9428355	32
29	3335326	2742 2743	6664674	3384123	1.1545279	0572614	971	9427386	31
30	3338069	2741	6661931	3386990	1.1542904	0573585	971	9426415	30
31	3340810	2742	6659190	3389857	1.1540528	0574556	973	9425444	29
32	3343552	2742	6656448	3392724	1.1538152	0575529	973	9424471	28
33	3346293	2741	6653707	3395590	1.1535776	0576502	973	9423498	27
34	3349034	2741	6650966	3398456	1.1533400	0577475	975	9422525 9421550	26
35	3351775	2741	6648225	3401323	1.1531023	0578450	975		25
36	3354516	2740	6645484	3404190	1.1528646	0579425	977	9420575	24
37	3357256	2740	6642744	3407056	1.1526269	0580402	977	9419598	23 22
38	3359996 3362735	2739	6640004 6637265	3409922	1·1523892 1·1521514	0581379 0582356	977	9418621 9417644	21
40	3365475	2740	6634525	3412789 3415656	1.1519136	0583335	979	9416665	20
		2739					979		
41 42	3368214 3370953	2739	6631786 6629047	3418522 3421388	1.1516758 1.1514380	0584314 0585295	981	9415686 9414705	19
43	3373691	2738	6626309	3424254	1.1512001	0586276	981	9413724	17
44	3376429	2738	6623571	3427120	1.1509622	0587257	981	9412743	16
45	3379167	2738 2738	6620833	3429985	1.1507243	0588240	983 983	9411760	15
46	3381905		6618095	3432850	1.1504864	0589223		9410777	14
47	3384642	2737	6615358	3435716	1.1502485	0590207	984	9409793	13
48	3387379	2737	6612621	3438582	1.1500106	0591192	985 986	9408808	12
49	3390116	2737 2736	6609884	3441447	1.1497725	0592178	986	9407822	11
50	3392852	2737	6607148	3444312	1.1495344	0593165	987	9406835	10
51	3395589	2736	6604411	3447178	1.1492964	0594152	988	9405848	9
52	3398325	2735	6601675	3450044	1.1490584	0595140	989	9404860	8 7
53 54	3401060	2736	6598940	3452909	1.1488203	0596129	990	9403871 9402881	0
55	3403796 3406531	2735	6596204 6593469	3455774 3458639	1·1485822 1·1483440	0597119 0598109	990	9402881	6 5
		2734					992		_
56	3409265 3412000	2735	6590735	3461504	1·1481058 1·1478676	05991 <b>01</b> 0600093	992	9400899 9399907	4 3 2 1
58	3414734	2734	6588000 6585266	3464369 3467234	1.1476294	0601086	993	9398914	2
59	3417468	2734	6582532	3470099	1.1473911	0602079	993 995	9397921	1
60	3420201	2733	6579799	3472964	1.1471528	0603074	990	9396926	0
						~		~	1,
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
									1
-									

Sine   Diff.   Covers.   Chord   Co-chord   Vers.   Diff.   Cosine   /   3422955   2734   6577969   3472964   1-1471522   0603074   0604069   06053063   060533   060533   060533   060533   060533   06053		20 Deg.								
1 \$129295 2732 667495 3475928 171466745 0004069 995 9989495 59 3 3428400 2731 6671480 3481567 171466787 0006062 997 9894995 57 668087 3483865 2732 6650815 3487286 171461996 0006062 997 9894998 57 67 3483829 2732 6650815 3487286 171469196 0006067 997 9894998 57 67 3489829 2732 6650815 3487286 171469196 0006067 10099 9891942 65 67 171469196 0006067 10099 9891942 65 67 171469196 0006067 10099 9891942 65 67 171469196 0006067 10099 9891942 65 171469196 1	,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
6 3436697 2732 6568408 3490150 1.145729S 0000657 000 3850942 54 7 3438329 2731 6560071 349014 1.1454343 0610058 1000 3850942 52 100 344701 2730 6555209 3495742 1.145073 061000 1002 9383942 52 10 344702 2730 6555209 3495742 1.145073 061000 1002 9387945 50 10 344702 2730 6552509 3495742 1.145073 061000 1002 9387945 50 11 3450252 2730 6547018 3051060 1.1447638 0613002 1004 9386938 50 11 3450252 2730 6547018 3507334 1.1446343 0615076 1004 9386938 50 11 3450252 2730 6547018 3507334 1.14463303 0615076 1005 9884930 48 13 3455712 2729 6544283 \$510108 1.1440532 0615075 1005 9884930 48 13 3455712 2729 6545283 510108 1.1440532 0616075 1005 9884930 48 14 3458441 2730 6541559 3513002 1.1435759 0615087 1007 9382920 46 15 3461171 2720 6538529 3515926 1.1435759 0615087 1007 9382920 46 13 3461417 2720 6538529 3515926 1.1435759 0615087 1007 9382920 46 13 3461417 2720 6538529 3515926 1.1435759 0615087 1007 9382920 46 13 3461417 2720 6538529 3515926 1.1435759 0615087 1007 9382930 48 13 3456752 2725 653791 3527379 1.142521 0622120 1009 9377889 42 10 3472685 2722 6527915 3527379 1.142521 0622120 1009 9377889 42 10 3472642 2727 652183 352042 1.142584 0623111 109 9376869 40 12 3477540 2727 652183 352369 314140048 0625154 1013 9376869 40 12 3477540 2727 652183 353058 1.1410048 0625154 1013 937333 353068 21 3435722 2727 6511553 3541604 1.1414272 0627120 1009 9377880 43 345722 2727 6511553 3541604 1.1414272 0627120 1009 937780 40 12 3457220 40 40 40 40 40 40 40 40 40 40 40 40 40	1 2 3 4	3422935 3425668 3428400 3431133	2733 2732 2733 2732	6577065 6574332 6571600 6568867	3475828 3478692 3481557 3484422	1·1469145 1·1466762 1·1464379 1·1461996	0604069 0605065 0606062 0607060	996 997 998 998	9395931 9394935 9393938 9392940	59 58 57 56
11	6 7 8 9	3436597 3439329 3442060 3444791	2732 2731 2731 2730	6563403 6560671 6557940 6555209	3490150 3493014 3495878 3498742	1·1457228 1·1454843 1·1452458 1·1450073	0609057 0610058 0611058 0612060	1001 1000 1002 1002	9390943 9389942 9388942 9387940	53 52 51
17   3466628   2728   6538372   3521653   1-1439085   0620102   1008   9879698   43	12 13 14 15	3452982 3455712 3458441 3461171	2730 2730 2729 2730	6547018 6544288 6541559 6538829	3507334 3510198 3513062 3515926	1·1442918 1·1440532 1·1438146 1·1435759	0615070 0616075 0617080 0618087	1005 1005 1007	9384930 9383925 9382920 9381913	48 47 46 45
22	17 18 19 20	3466628 3469357 3472085 3474812	2729 2728 2727	6533372 6530643 6527915 6525188	3521653 3524516 3527379 3530242	1·1430985 1·1428598 1·1426211 1·1423824	0620102 0621111 0622120 0623131	1009 1009 1011	9379898 9378889 9377880 9376869	43 42 41 40
28	22 23 24 25	3480267 3482994 3485720 3488447	2727 2726 2727	6519733 6517006 6514280 6511553	3535968 3538831 3541694 3544557	1·1419048 1·1416660 1·1414272 1·1411883	0625154 0626167 0627180 0628194	1013 1013 1014	9374846 9373833 9372820 9371806	38 37 36 35
32   3507523   2724   6489753   3564596   11395154   6685317   1020   9864683   283   3510247   2724   6487030   3570320   11390374   0037359   1021   9363602   273   2723   6484307   3570320   11390374   0037359   1023   9362641   26   26   273   26   273   6484307   3573182   11387982   0638382   1023   9362641   26   273   273	27 28 29 30	3493898 3496624 3499349 3502074	2726 2725 2725	6506102 6503376 6500651 6497926	3550283 3553146 3556008 3558870	1·1407104 1·1404714 1·1402325 1·1399936	0630226 0631242 0632260 0633278	1016 1018 1018	9369774 9368758 9367740 9366722	33 32 31 30
36         3518416         2723         6481584         3576044         11385590         0639405         1024         9350571         23           38         3523862         2723         6476138         3581768         11380806         0641453         1024         9359571         23           39         3523862         2722         6476138         3581768         11380806         0641453         1026         9357521         21           40         3529306         2721         6476094         3587492         11376022         0643505         1027         9356495         20           41         3532027         2721         6467973         3590353         11373630         0644532         1028         935448         19           42         3534748         2721         6465252         3593214         11371288         0645560         1023         935412         17           44         3540190         2721         645851         3598038         11366450         0647618         1030         9353412         17           45         3542910         2720         6457090         3601799         11364057         0648648         1031         9350321         14	32 33 34	3507523 3510247 3512970	2724 2724 2723	6492477 6489753 6487030	3564596 3567458 3570320	1·1395154 1·1392764 1·1390374	0635317 0636338 0637359	1021 1021 1023	9364683 9363662 9362641	28 27 26
41         3532927         2721         6467973         3590353         11373630         0644532         1028         9855468         19           42         3534748         2721         6465252         3503214         11371238         0645600         1028         9854440         18           43         3537409         2721         645251         3596076         11368844         0646588         1028         9353412         17           44         3540190         2720         6457090         3601799         1136664         0647618         1030         935322         16           46         3545630         2720         6451870         3604660         1'1361664         0649679         1032         9359321         15           47         3548350         2720         6451850         3607521         1'1359269         0650711         1032         9348257         12           48         3551070         2719         6448930         361032         1'1359269         0650711         1032         9348257         12           49         3553789         2719         6446211         3613243         1'135480         0652777         1034         9347123         11	37 38 39	3521139 3523862 3526584	2723 2723 2722 2722	6478861 6476138 6473416	3578906 3581768 3584630	1·1383198 1·1380806 1·1378414	0640429 0641453 0642479	1024 1024 1026 1026	9859571 9858547 9357521	23 22 21
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	42 43 44	3534748 3537469 3540190	2721 2721 2721 2720	6465252 6462531 6459810	3593214 3596076 3598938	1 1371238 1 1368844 1 1366450	0645560 0646588 0647618	1028 1028 1030 1030	9354440 9353412 9352382	18 17 16
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	47 48 49	3548350 3551070 3553789	2720 2720 2719 2719	6451650 6448930 6446211	3607521 3610382 3613243	1·1359269 1·1356874 1·1354480	0650711 0651743 0652777	1032 1032 1034 1034	9349289 9348257 9347223	13 12 11
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	52 53 54 55	3561944 3564662 3567380	2718 2718 2718 2717	6438056 6435338 6432620	3621826 3624687 3627548	1·1347296 1·1344900 1·1342504 1·1340108	0655881 0656918 0657955 0658993	1035 1037 1037 1038	9344119 9343082 9342045	8 7 6 5
Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sine	57 58 59	3575531 3578248 3580964	2717 2717 2716	6424469 6421752 6419036	3636130 3638990 3641850	1·1335315 1·1332918 1·1330521	0661072 0662112 0663154	1040 1040 1042	9338928 9337888 9336846	4 3 2 1 0
		Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

1	Sine	70100							1
'	Sine						70.100	~ .	
		Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1
0	3583679	2716	6416321	3644710	1.1328124	0664196	1043	9335804	60
1 2 3	3586395	2715	6413605	3647570	1.1325727	0665239	1043	9334761	59
2	3589110	2715	6410890	3650430	1.1323330	0666282	1045	9333718	58
	3591825	2715	6408175	3653290	1.1320932	0667327	1045	9332673	57
5	3594540 3597254	2714	6405460	3656150	1.1318534	0668372	1046	9331628 9330582	56 55
1 1		2714	6402746	3659010	1.1316135	0669418	1047		1
6	3599968	2714	6400032	3661870	1.1313736	0670465	1047	9329535	54
8	3602682	2713	6397318	3664730	1.1311337	0671512	1049	9328488	53
9	3605395 3608108	2713	6394605 6391892	3667590	1·1308938 1·1306539	0672561 0673610	1049	9327439 9326390	52 51
10	3610821	2713	6389179	3670449 3673308	1.1304140	0674660	1050	9325340	50
11		2713			7.00		1050		49
12	3613534 3616246	2712	6386466 6383754	3676168 3679028	1·1301740 1·1299340	0675710 0676762	1052	9324290 9323238	48
13	3618958	2712	6381042	3681887	1.1296940	0677814	1052	9322186	47
14	3621669	2711	6378331	3684746	1.1294540	0678867	1053	9321133	46
15	3624380	2711	6375620	3687605	1.1292139	0679921	1054 1055	9320079	45
16	3627091	2711	6372909	3690464	1.1289738	0680976		9319024	44
17	3629802	2711	6370198	3693323	1.1287336	0682031	1055	9317969	43
18	3632512	2710	6367488	3696182	1.1284934	0683088	1057	9316912	42
19	3635222	2710	6364778	3699040	1.1282533	0684145	1057	9315855	41
20	3637932	2710 2709	6362068	3701898	1.1280132	0685203	1058 1058	9314797	40
21	3640641		6359359	3704757	1.1277729	0686261		9313739	39
22	3643351	2710	6356649	3707616	1.1275326	0687321	1060 1060	9312679	38
23	3646059	2708 2709	6353941	3710474	1.1272923	0688381	1061	9311619	37
24	3648768	2708	6351232	3713332	1.1270520	0689442	1062	9310558	36
25	3651476	2708	6348524	3716190	1.1268117	0690504	1062	9309496	35
26	3654184	2707	6345816	3719043	1.1265714	0691566	1064	9308434	34
27	3656891	2708	6343109	3721906	1.1263310	0692630	1064	9307370 9306306	33
28	3659599	2707	6340401	3724764	1.1260906	0693694	1065	9306306	32
29	3662306 3665012	2706	6337694	3727622	1.1258502	0694759	1065	9305241	31
		2707	6334988	3730480	1.1256098	0695824	1067	9304176	30
31	3667719	2706	6332281	3733338	1.1253694	0696891	1067	9303109	29
32	3670425	2705	6329575	3736196	1.1251290	0697958	1068	9302042	28
33	3673130 3675836	2706	6326870	3739054	1·1248884 1·1246478	0699026 0700095	1069	9300974 9299905	27 26
35	3678541	2705	6324164 6321459	3741912 3744769	1.1244073	0700095	1070	9298835	25
36	3681246	2705			1.1241668	0702235	1070		24
37	3683950	2704	6318754 6316050	3747626	1.1239262	0702235	1071	9297765 9296694	23
38	3686654	2704	6313346	3750483 3753340	1.1236856	0704378	1072	9295622	22
39	3689358	2704	6310642	3756198	1.1234449	0705451	1073	9294549	21
40	3692061	2703	6307939	3759056	1.1232042	0706525	1074	9293475	20
41	3694765	2704	6305235	3761913	1.1229635	0707599	1074	9292401	19
42	3697468	2703	6302532	3764770	1.1227228	0708674	1075	9291326	18
43	3700170	2702	6299830	3767626	1.1224820	0709750	1076	9290250	17
44	3702872	2702	6297128	3770482	1.1222412	0710827	1077 1077	9289173	16
45	3705574	2702 2702	6294426	3773339	1.1220004	0711904	1077	9288096	15
46	3708276		6291724	3776196	1.1217596	0712983		9287017	14
47	3710977	2701 2701	6289023	3779052	1.1215188	0714062	1079 1080	9285938	13
48	3713678	2701	6286322	3781908	1.1212780	0715142	1080	9284858	12
49	3716379	2700	6283621	3784765	1.1210371	0716222	1082	9283778	11
50	3719079	2701	6280921	3787622	1.1207962	0717304	1082	9282696	10
51	3721780	2699	6278220	3790478	1.1205553	0718386	1083	9281614	9 8 7 6
52	3724479 3727179	2700	6275521	3793334	1.1203144	0719469	1084	9280531	8
53 54	3727179	2699	6272821	3796190	1·1200734 1·1198324	0720553 0721637	1084	9279447	6
55	3732577	2699	6270122 6267423	3799046 3801902	1.1198324	0722723	1086	9278363 9277277	5
56	3735275	2698	6264725		1.1193502	0723809	1086	9276191	4
57	3737973	2698	6262027	3804758 3807613	1.1193502	0723809	1087	9275191	3
58	3740671	2698	6259329	3810468	1.1188680	0725984	1088	9274016	3 2
59	3743369	2698	6256631	3813324	1.1186269	0727072	1088	9272928	1
60	3746066	2697	6253934	3816180	1.1183858	0728161	1089	9271839	0
1.1									,
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
				1					

	zz Deg.				1				
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	3746066	200	6253934	3816180	1.1183858	0728161	1001	9271839	60
1	3748763	2697	6251237	3819035	1.1181446	0729252	1091 1090	9270748	59
2	3751459	2696 2697	6248541	3821890	1.1179034	0730342	1092	9269658	58
3	3754156	2696	6245844	3824746	1.1176622	0731434	1092	9268566	57
5	3756852	2695	6243148	3827602 3830457	1.1174210	0732526 0733620	1094	9267474	56 55
	3759547	2696	6240453		1.1171797		1094	9266380	
6	3762243	2695	6237757	3833312	1.1169384	0734714	1094	9265286	54
8	3764938 3767632	2694	6235062 6232368	3836166 3839020	1·1166971 1·1164558	0735808 0736904	1096	9264192 9263096	53
9	3770327	2695	6229673	3841875	1.1162144	0738000	1096	9262000	51
10	3773021	2694 2693	6226979	3844730	1.1159730	0739098	1098 1097	9260902	50
11	3775714		6224286	3847585	1.1157316	0740195		9259805	49
12	3778408	2694	6221592	3850440	1.1154902	0741294	1099	9258706	48
13	3781101	2693 2693	6218899	3853294	1.1152487	0742394	1100 1100	9257606	47
14	3783794	2692	6216206	3856148	1.1150072	0743494	1101	9256506	46
15	3786486	2692	6213514	3859002	1.1147657	0744595	1102	9255405	45
16	3789178	2692	6210822	3861856	1.1145242	0745697	1102	9254303	44
17	3791870	2692	6208130	3864710	1.1142827	0746799	1104	9253201	43
18 19	3794562 3797253	2691	6205438 6202747	3867564 3870418	1·1140412 1·1137996	0747903	1104	9252097 9250993	42
20	3799944	2691	6200056	3873272	1.1135580	0749007 0750112	1105	9249888	41
21		2690					1106		
21 22	3802634 3805324	2690	6197366 6194676	3876126 3878980	1·1133163 1·1130746	0751218 0752324	1106	9248782 9247676	39
23	3808014	2690	6191986	3881834	1.1128329	0753432	1108	9246568	37
24	3810704	2690	6189296	3884688	1.1125912	0754540	1108	9245460	36
25	3813393	2689 2689	6186607	3887541	1.1123495	0755649	1109 1109	9244351	35
26	3816082		6183918	3890394	1.1121078	0756758		9243242	34
27	3818770	2688 2689	6181230	3893247	1.1118660	0757869	1111 1111	9242131	33
28	3821459	2688	6178541	3896100	1.1116242	0758980	1112	9241020	32
29 30	3824147	2687	6175853	3898953	1.1113823	0760092	1113	9239908	31
1	3826834	2688	6173166	3901806	1.1111404	0761205	1113	9238795	30
31	3829522	2687	6170478	3904659	1.1108985	0762318	1115	9237682	29
32   33	3832209 3834895	2686	6167791 6165105	3907512 3910365	1·1106566 1·1104147	0763433 0764548	1115	9236567 9235452	28 27
34	3837582	2687	6162418	3913218	1.1101128	0765664	1116	9234336	26
35	3840268	2686 2685	6159732	3916070	1.1099308	0766780	1116 1118	9233220	25
36	3842953		6157047	3918922	1.1096888	0767898		9232102	24
37	3845639	2686	6154361	3921775	1.1094468	0769016	1118 1119	9230984	23
38	3848324	2685 2684	6151676	3924628	1.1092048	0770135	1120	9229865	22
39	3851008	2685	6148992	3927480	1.1089627	0771255	1121	9228745	21
40	3853693	2684	6146307	3930332	1.1087206	0772376	1121	9227624	20
41	3856377	2683	6143623	3933184	1.1084785	0773497	1122	9226503	19
42	3859060	2684	6140940	3936036	1.1082364	0774619	1123	9225381	18
43	3861744 3864427	2683	6138256 6135573	3938888 3941740	1·1079942 1·1077520	0775742 0776866	1124	9224258 9223134	17
45	3867110	2683	6132890	3944592	1.1075098	0777990	1124	9222010	15
46	3869792	2682	6130208	3947444	1.1072676	0779116	1126	9220884	14
47	3872474	2682	6127526	3950295	1.1070253	0780242	1126	9219758	13
48	3875156	2682	6124844	3953146	1.1067830	0781368	1126	9218632	12
49	3877837	2681 2681	6122163	3955998	1.1065407	0782496	$\frac{1128}{1129}$	9217504	11
50	3880518	2681	6119482	3958850	1.1062984	0783625	1129	9216375	10
51	3883199	2681	6116801	3961701	1.1060561	0784754	1130	9215246	9
52	3885880	2680	6114120	3964552	1.1058138	0785884	1130	9214116	8 7
53 54	3888560 3891240	2680	6111440	3967403	1.1055714	0787014 0788146	1132	9212986 9211854	8
55	3893919	2679	6108760 6106081	3970254 3973105	1·1053290 1·1050865	0788146	1132	9211854	6 5
56		2679					1133		
57	3896598 3899277	2679	6103402 6100723	3975956 3978807	1·1048440 1·1046015	0790411 0791545	1134	9209589 9208455	3 2
58	3901955	2678	6098045	3981658	1.1043590	0792680	1135	9207320	2
59	3904633	2678 2678	6095367	3984508	1.1041165	0793815	1135 1136	9206185	1
60	3907311	2018	6092689	8987358	1.1038740	0794951	1130	9205049	0
	~ .	2100				~	7.10	~	14.
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
					1				
-									-

	Deg.				1				
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	3907311	0.000	6092689	3987358	1.1038740	0794951		9205049	60
1	3909989	2678	6090011	3990209	1.1036314	0796088	1137	9203912	59
2	3912666	2677 2677	6087334	3993060	1.1033888	0797226	1138 1139	9202774	58
3	3915343	2676	6084657	3995910	1.1031462	0798365	1139	9201635	57
4	3918019	2676	6081981	3998760	1.1029036	0799504	1140	9200496	56
5	3920695	2676	6079305	4001610	1.1026609	0800644	1141	9199356	55
6	3923371	2676	6076629	4004460	1.1024182	0801785	1142	9198215	54
7	3926047	2675	6073953	4007310	1.1021754	0802927	1142	9197073	53
8 9	3928722 3931397	2675	6071278 6068603	4010160	1.1019326	0804069	1143	9195931	52
10	3934071	2674	6065929	4013010 4015860	1·1016899 1·1014472	0805212 0806356	1144	9194788 9193644	51 50
11		2674					1145		_
12	3936745 3939419	2674	6063255	4018709	1.1012043	0807501	1146	9192499	49
13	3942093	2674	6060581 6057907	4021558 4024408	1·1009614 1·1007186	0808647 0809793	1146	9191353 9190207	47
14	3944766	2673	6055234	4027258	1.1004758	0810940	1147	9189060	46
15	3947439	2673	6052561	4030107	1.1002329	0812088	1148	9187912	45
16	3950111	2672	6049889	4032956	1.0999900	0813237	1149	9186763	44
17	3952783	2672	6047217	4035805	1.0997470	0814386	1149	9185614	43
18	3955455	2672	6044545	4038654	1.0995040	0815536	1150	9184464	42
19	3958127	2672 2671	6041873	4041503	1.0992610	0816687	1151 1152	9183313	41
20	3960798	2670	6039202	4044352	1.0990180	0817839	1152	9182161	40
21	3963468	2671	6036532	4047200	1.0987749	0818991		9181009	39
22	3966139	2670	6033861	4050048	1.0985318	0820145	1154 1154	9179855	38
23	3968809	2670	6031191	4052897	1.0982887	0821299	1155	9178701	37
24	3971479	2669	6028521	4055746	1.0980456	0822454	1155	9177546	36
25	3974148	2670	6025852	4058594	1 0978025	0823609	1157	9176391	35
26	3976818	2668	6023182	4061442	1.0975594	0824766	1157	9175234	34
27	3979486	2669	6020514	4064290	1.0973162	0825923	1158	9174077	33
28 29	3982155	2668	6017845	4067138	1.0970730	0827081	1159	9172919	32
30	3984823 3987491	2668	6015177 6012509	4069987 4072836	1*0968297 1*0965864	0828240 0829399	1159	9171760 9170601	31 30
		2667					1161		
31 32	3990158	2667	6009842	4075683	1.0963431	0830560	1161	9169440	29
33	3992825 3995492	2667	6007175 6004508	4078530 4081378	1 ·0960998 1 ·0958565	0831721 0832882	1161	9168279 9167118	28 27
34	3998158	2666	6001842	4084226	1.0956132	0834045	1163	9165955	26
35	4000825	2667	5999175	4087074	1.0953698	0835209	1164	9164791	25
36	4003490	2665	5996510	4089922	1.0951264	0836373	1164	9163627	24
37	4006156	2666	5993844	4092769	1.0948830	0837538	1165	9162462	23
38	4008821	2665	5991179	4095616	1.0946396	0838703	1165	9161297	22
39	4011486	2665 2664	5988514	4098463	1.0943961	0839870	1167 1167	9160130	21
40	4014150	2664	5985850	4101310	1.0941526	0841037	1168	9158963	20
41	4016814		5983186	4104157	1.0939091	0842205		9157795	19
42	4019478	2664 2663	5980522	4107004	1.0936656	0843374	1169	9156626	18
43	4022141	2663	5977859	4109851	1.0934220	0844544	1170 1170	9155456	17
44 45	4024804	2663	5975196	4112698	1.0931784	0845714	1171	9154286	16
	4027467	2662	5972533	4115544	1.0929348	0846885	1172	9153115	15
46	4030129	2662	5969871	4118390	1 0926912	0848057	1173	9151943	14
47	4032791	2662	5967209	4121237	1.0924476	0849230	1173	9150770	13
48	4035453	2661	5964547	4124084	1.0922040	0850403	1175	9149597	12
50	4038114 4040775	2661	5961886 5959225	4126930 4129776	1.0919603 1.0917166	0851578 0852753	1175	9148422 9147247	10
		2661					1175		
51 52	4043436 4046096	2660	5956564 5953904	4132622	1.0914728 1.0912290	0853928 0855105	1177	9146072	9
53	4048756	2660	5953904	4135468 4138314	1.0912290	0856282	1177	9144895 9143718	7
54	4051416	2660	5948584	4141160	1.0907414	0857460	1178	9142540	8 7 6 5
55	4054075	2659	5945925	4144006	1.0904976	0858639	1179 1180	9141361	5
56	4056734	2659	5943266	4146852	1.0902538	0859819		9140181	4
57	4059393	2659	5940607	4149698	1.0900099	0860999	1180	9139001	3
58	4062051	2658 2658	5937949	4152544	1.0897660	0862181	1182 1182	9137819	4 3 2 1
59	4064709	2657	5935291	4155389	1.0895220	0863363	1182 1182	9136637	
60	4067366	2001	5932634	4158234	1.0892780	0864545	1102	9135455	0
,	a .	70.00	**			~	T) m	~	,
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
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_	24 Deg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	4067366	0000	5932634	4158234	1.0892780	0864545	1104	9135455	60
1 1	4070024	2658 2657	5929976	4161079	1.0890341	0865729	1184 1184	9134271	59
- 2	4072681	2656	5927319	4163924	1:0887902	0866913	1185	9133087	58
3	4075337	2656	5924663	4166769	1.0885461	0868098	1186	9131902	57
5	4077993	2656	5922007	4169614	1.0883020	0869284	1187	9130716	56
	4080649	2656	5919351	4172459	1.0880579	0870471	1187	9129529	
6 7 8	4083305	2655	5916695	4175304	1.0878138	0871658	1188	9128342	54
1 6	4085960 4088615	2655	5914040	4178149 4180994	1.0875697	0872846	1189	9127154	53 52
9	4091269	2654	5911385 5908731	4183838	1.0873256 1.0870815	0874035 0875225	1190	9125965 9124775	51
10	4093923	2654	5906077	4186682	1.0868374	0876416	1191	9123584	50
11	4096577	2654	5903423	4189527	1.0865931		1191	9122393	49
12	4099230	2653	5900770	4192372	1.0863483	0877607 0878799	1192	9121201	48
13	4101883	2653	5898117	4195216	1.0861046	0879992	1193	9120008	47
14	4104536	2653	5895464	4198060	1.0858604	0881185	1193	9118815	46
15	4107189	2653 2652	5892811	4200904	1.0856161	0882380	1195 1195	9117620	45
16	4109841		5890159	4203748	1.0853718	0883575		9116425	44
17	4112492	2651 2652	5887508	4206592	1.0851274	0884771	1196	9115229	43
18	4115144	2651	5884856	4209436	1.0848830	0885967	1196 1198	9114033	42
19	4117795	2650	5882205	4212279	1.0846386	0887165	1198	9112835	41
20	4120445	2651	5879555	4215122	1.0843942	0888363	1199	9111637	40
21	4123096	2649	5876904	4217966	1.0841498	0889562	1200	9110438	39
22	4125745	2650	5874255	4220810	1.0839054	0890762	1200	9109238	38
23	4128395	2649	5871605	4223653	1.0836609	0891962	1201	9108038	37
25	4131044 4133693	2649	5868956 5866307	4226496 4229339	1.0834164 1.0831719	0893163 0894365	1202	9106837 9105635	36
		2649					1203		1
26 27	4136342	2648	5863658	4232182	1.0829274	0895568	1204	9104432	34
28	4138990 4141638	2648	5861010 5858362	4235025 4237868	1.0826828 1.0824382	0896772 0897976	1204	9103228 9102024	32
29	4144285	2647	5855715	4240711	1.0821936	0899181	1205	9100819	31
30	4146932	2647	5853068	4243554	1.0819490	0900387	1206	9099613	30
31	4149579	2647	5850421	4246396	1.0817043	0901594	1207	9098406	29
32	4152226	2647	5847774	4249238	1.0814596	0902801	1207	9097199	28
33	4154872	2646	5845128	4252081	1.0812149	0904010	1209 1209	9095990	27
34	4157517	2645 2646	5842483	4254924	1.0809702	0905219	1209	9094781	26
35	4160163	2645	5839837	4257766	1.0807254	0906428	1211	9093572	25
36	4162808	2645	5837192	4260608	1.0804806	0907639	1211	9092361	24
37	4165453	2644	5834547	4263450	1.0802358	0908850	1212	9091150	23
38	4168097	2644	5831903	4266292	1.0799910	0910062	1213	9089938	22
39	4170741 4173385	2644	5829259 5826615	4269134	1.0797462 1.0795014	0911275 0912489	1214	9088725 9087511	21 20
		2643		4271976			1214		
41	4176028	2643	5823972	4274817	1.0792565	0913703	1215	9086297	19
42	4178671 4181313	2642	5821329 5818687	4277658 4280500	1.0790116 1.0787666	0914918 0916134	1216	9085082 9083866	18
44	4183956	2643	5816044	4283342	1.0785216	0917351	1217	9082649	16
45	4186597	2641	5813403	4286183	1.0782766	0918568	1217	9081432	15
46	4189239	2642	5810761	4289024	1.0780316	0919786	1218	9080214	14
47	4191880	2641	5808120	4291865	1.0777866	0921005	1219	9078995	13
48	4194521	2641	5805479	4294706	1.0775416	0922225	1220	9077775	12
49	4197161	2640 2640	5802839	4297547	1.0772965	0923446	1221 1221	9076554	11
50	4199801	2640	5800199	4300388	1.0770514	0924667	1222	9075333	10
51	4202441		5797559	4303229	1.0768063	0925889	1223	9074111	9
52	4205080	2639 2639	5794920	4306070	1.0765612	0927112	1223	9072888	8
53	4207719	2639	5792281	4308911	1.0763160	0928335	1225	9071665	7
54	4210358 4212996	2638	5789642 5787004	4311752 4314592	1.0760708 1.0758256	0929560 0930785	1225	9070440 9069215	6 5
		2638					1226		1
56	4215634	2638	5784366	4317432	1.0755804	0932011	1227	9067939	4
57 58	4218272 4220909	2637	5781728	4320272 4323112	1.0753351 1.0750898	0933238 0934465	1227	9065535	3 2
59	4223546	2637	5779091 5776454	4323112	1.0748445	0935693	1228	9064307	1
.60	4226183	2637	5773817	4328792	1.0745992	0936922	1229	9063078	0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
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'	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	1
0	4226183		5773817	4328792	1.0745992	0936922		9063078	60
1	4228819	2636	5771181	4331632	1.0743539	0938152	1230	9061848	59
2	4231455	2636	5768545	4334472	1.0741086	0939382	1230	9060618	58
2 3	4234090	2635	5765910	4337312	1.0738632	0940614	1232	9059386	57
4	4236725	2635 2635	5763275	4340152	1.0736178	0941846	1232 1232	9058154	56
5	4239360	2634	5760640	4342991	1.0733723	0943078	1234	9056922	55
6	4241994		5758006	4345830	1.0731268	0944312		9055688	54
7	4244628	2634 2634	5755372	4348669	1.0728813	0945546	1234 1235	9054454	53
8	4247262	2633	5752738	4351508	1.0726358	0946781	1236	9053219	52
9	4249895	2633	5750105	4354347	1.0723903	0948017	1237	9051983	51
10	4252528	2633	5747472	4357186	1.0721448	0949254	1237	9050746	50
11	4255161	2632	5744839	4360025	1.0718992	0950491	1238	9049509	49
12	4257793	2632	5742207	4362864	1.0716536	0951729	1239	9048271	48
13	4260425	2631	5739575	4365703	1.0714080	0952968	1240	9047032	47
14	4263056	2631	5736944	4368542	1.0711624	0954208	1241	9045792 9044551	46
15	4265687	2631	5734313	4371381	1.0709167	0955449	1241		1
16	4268318	2631	5731682	4374220	1.0706710	0956690	1242	9043310	44
17	4270949	2630	5729051	4377058	1.0704253	0957932	1243	9042068	43
18	4273579	2629	5726421	4379896 4382734	1.0701796	0959175	1243	9040825 9039582	42
19 20	4276208 4278838	2630	5723792 5721162	4382734	1.0699338 1.0696880	0960418 0961662	1244	9039382	40
1		2629					1245		1
21	4281467	2628	5718533	4388410	1.0694422	0962907	1246	9037093	39
22 23	4284095	2628	5715905	4391248 4394086	1.0691964	0964153 0965400	1247	9035847 9034600	37
24	4286723 4289351	2628	5713277 5710649	4396924	1.0689505 1.0687046	0966647	1247	9033353	36
25	4291979	2628	5708021	4399762	1.0684588	0967895	1248	9032105	35
26		2627		4402600			1249	9030856	34
27	4294606 4297233	2627	5705394 5702767	4405437	1.0682130 1.0679670	0969144 0970394	1250	9029606	33
28	4299859	2626	5700141	4408274	1.0677210	0971644	1250	9028356	32
29	4302485	2626	5697515	4411111	1.0674750	0972895	1251	9027105	31
30	4305111	2626 2625	5694889	4413948	1.0672290	0974147	1252 1253	9025853	30
31	4307736		5692264	4416785	1.0669830	0975400		9024600	29
32	4310361	2625	5689639	4419622	1.0667370	0976653	1253	9023347	28
33	4312986	2625 2624	5687014	4422459	1.0664909	0977908	1255 1254	9022092	27
34	4315610	2624	5684390	4425296	1.0662448	0979162	1256	9020838	26
35	4318234	2623	5681766	4428133	1.0659987	0980418	1257	9019582	25
36	4320857	2624	5679143	4430970	1.0657526	0981675	1257	9018325	24
37	4323481	2622	5676519	4433806	1.0655064	0982932	1258	9017068	23 22
38	4326103	2623	5673897	4436642	1.0652602	0984190	1259	9015810	22 21
39	4328726	2622	5671274	4439479	1.0650140	0985449	1259	9014551	20
40	4331348	2622	5668652	4442316	1.0647678	0986708	1261	9013292	
41	4333970	2621	5666030	4445152	1.0645215	0987969	1261	9012031	19
42	4336591	2621	5663409	4447988	1.0642752	0989230	1262	9010770	18 17 16
43	4339212	2620	5660788	4450824	1.0640289	0990492	1262	9009508 9008 <b>24</b> 6	10
44	4341832 4344453	2621	5658168 5655547	4453660 4456496	1.0637826 1.0635363	0991754 0993018	1264	9008246	15
		2619					1264		
46	4347072	2620	5652928	4459332	1.0632900	0994282	1265	9005718	14
47	4349692 4352311	2619	5650308 5647689	4462167 4465002	1.0630436	0995547 0996812	1265	9004453 9003188	12
49	4354930	2619	5645070	4467838	1.0627972 1.0625507	0990812	1267	9001921	11
50	4357548	2618	5642452	4470674	1.0623042	0999346	1267 1268	9000654	10
51	4360166	2618	5639834	4473509	1.0620578	1000614		8999386	9
52	4362784	2618	5637216	4476344	1.0618114	1000814	1269	8998117	
53	4365401	2617	5634599	4479179	1.0615648	1003152	1269	8996848	8 7 6
54	4368018	2617 2616	5631982	4482014	1.0613182	1004422	1270 1271	8995578	
55	4370634	2617	5629366	4484849	1.0610716	1005693	1272	8994307	5
56	4373251	2615	5626749	4487684	1.0608250	1006965	1272	8993035	4
57	4375866	2616	5624134	4490518	1.0605784	1008237	1274	8991763	3
58	4378482	2615	5621518	4493352	1.0603318	1009511	1274	8990489	3 2 1
59 60	4381097 4383711	2614	5618903 5616289	4496187 4499022	1.0600852 1.0598386	1010785 1012060	1275	8989215 8987940	0
00	4903111		0010209	1100022	1 0000000	1012000		0901940	
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
	Cosino	2111.	1015.	50-chord	CHOIG	COTELS.	DIII.	Diffe	
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,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2	4383711 4386326 4388940	2615 2614	5616289 5613674 5611060	4499022 4501856 4504690	1.0598386 1.0595919 1.0593452	1012060 1013335 1014611	1275 1276	8987940 8986665 8985389	60 59 58
3 4 5	4391553 4394166 4396779	2613 2613 2613 2613	5608447 5605834 5603221	4507524 4510358 4513192	1.0590984 1.0588516 1.0586048	1015888 1017166 1018445	1277 1278 1279 1279	8984112 8982834 8981555	57 56 55
6 7 8 9	4399392 4402004 4404615 4407227	2612 2611 2612	5600608 5597996 5595385 5592773	4516026 4518859 4521692 4524526	1.0583580 1.0581112 1.0578644 1.0576175	1019724 1021004 1022285 1023567	1280 1281 1282	8980276 8978996 8977715 8976433	54 53 52 51
10	4409838 4412448	2611 2610	5590162 5587552	4527360 4530193	1·0573706 1·0571236	1024849 1026132	1282 1283 1284	8975151 8973868	50 49
12 13 14 15	4415059 4417668 4420278 4422887	2611 2609 2610 2609 2609	5584941 5582332 5579722 5577113	4533026 4535859 4538692 4541525	1.0568766 1.0566297 1.0563828 1.0561357	1027416 1028701 1029986 1031273	1284 1285 1285 1287 1287	8972584 8971299 8970014 8968727	48 47 46 45
16 17 18 19 20	4425496 4428104 4430712 4433319 4435927	2608 2608 2607 2608	5574504 5571896 5569288 5566681 5564073	4544358 4547191 4550024 4552856 4555688	1.0558886 1.0556416 1.0553946 1.0551475 1.0549004	1032560 1033847 1035136 1036425 1037715	1287 1289 1289 1290	8967440 8966153 8964864 8963575 8962285	44 43 42 41 40
21 22 23 24	4438534 4441140 4443746 4446352	2607 2606 2606 2606 2605	5561466 5558860 5556254 5553648	4558521 4561354 4564186 4567018	1.0546532 1.0544060 1.0541588 1.0539116	1039006 1040297 1041589 1042882	1291 1291 1292 1293 1294	8960994 8959703 8958411 8957118 8955824	39 38 37 36
25 26 27 28 29	4448957 4451562 4454167 4456771 4459375	2605 2604 2604 2603	5551043 5548438 5545833 5543229 5540625	4569850 4572682 4575513 4578344 4581176	1.0536643 1.0534170 1.0531698 1.0529226 1.0526752	1044176 1045471 1046766 1048062 1049359	1295 1295 1296 1297 1297	8954529 8953234 8951938 8950641	35 34 33 32 31
30 31 32	4461978 4464581 4467184	2603 2603	5538022 5535419 5532816	4584008 4586839 4589670	1.0524278 1.0521804 1.0519330	1050656 1051955 1053254	1299 1299	8949344 8948045 8946746	30 29 28
33 34 35	4469786 4472388 4474990	2602 2602 2602 2601	5530214 5527612 5525010	4592501 4595332 4598163	1.0516856 1.0514382 1.0511908	1054554 1055854 1057156	1300 1300 1302 1302	8945446 8944146 8942844	27 26 25
36 37 38 39 40	4477591 4480192 4482792 4485392 4487992	2601 2600 2600 2600 2599	5522409 5519808 5517208 5514608 5512008	4600994 4603825 4606656 4609487 4612318	1.0509434 1.0506958 1.0504482 1.0502007 1.0499532	1058458 1059760 1061064 1062368 1063674	1302 1304 1304 1306 1305	8941542 8940240 8938936 8937632 8936326	24 23 22 21 20
41 42 43 44 45	4490591 4493190 4495789 4498387 4500984	2599 2599 2598 2597	5509409 5506810 5504211 5501613 5499016	4615148 4617978 4620808 4623638 4626468	1.0497056 1.0494580 1.0492103 1.0489626 1.0487149	1064979 1066286 1067594 1068902 1070211	1307 1308 1308 1309	8935021 8933714 8932406 8931098 8929789	19 18 17 16 15
46 47 48 49 50	4503582 4506179 4508775 4511372 4513967	2598 2597 2596 2597 2595	5496418 5493821 5491225 5488628 5486033	4629298 4632128 4634958 4637788 4640618	1.0484672 1.0482195 1.0479718 1.0477240 1.0474762	1071520 1072831 1074142 1075454 1076766	1309 1311 1311 1312 1312	8928480 8927169 8925858 8924546 8923234	14 13 12 11 10
51 52 53 54	4516563 4519158 4521753 4524347	2596 2595 2595 2594 2594	5483437 5480842 5478247 5475653	4643447 4646276 4649105 4651934	1.0472284 1.0469806 1.0467327 1.0464848	1078080 1079394 1080709 1082025	1314 1314 1315 1316 1316	8921920 8920606 8919291 8917975	9 8 7 6
55 56 57 58	4526941 4529535 4532128 4534721	2594 2593 2593	5473059 5470465 5467872 5465279	4654763 4657592 4660421 4663250	1.0462369 1.0459890 1.0457411 1.0454932	1083341 1084658 1085976 1087295	1317 1318 1319	8916659 8915342 8914024 8912705	5 4 3 2
59 60	4537313 4539905	2592 2592	5462687 5460095	4666079 4668908	1.0452452 1.0449972	1088615 1089935	1320 1320	8911385 8910065	1 0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

	27 Deg.								
•	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3 4	4539905 4542497 4545088 4547679 4550269	2592 2591 2591 2590 2590	5460095 5457503 5454912 5452321 5449731	4668908 4671736 4674564 4677392 4680220	1.0449972 1.0447491 1.0445010 1.0442529 1.0440048	1089935 1091256 1092577 1093900 1095223	1321 1321 1323 1323 1324	8910065 8908744 8907423 8906100 8904777	60 59 58 57 56
5 6 7	4552859 4555449 4558038	2590 2589 2589	5447141 5444551 5441962	4683048 4685876 4688704	1.0437567 1.0435086 1.0432604	1096547 1097872 1099197	1325 1325 1327	8903453 8902128 8900803	55 54 53
8 9 10	4560627 4563216 4565804	2589 2588 2588	5439373 5436784 5434196	4691532 4694360 4697188	1.0430122 1.0427640 1.0425158	1100524 1101851 1103178	1327 1327 1327 1329	8899476 8898149 8896822	52 51 50
11 12 13 14 15	4568392 4570979 4573566 4576153 4578739	2587 2587 2587 2586	5431608 5429021 5426434 5423847 5421261	4700015 4702842 4705669 4708496 4711323	1.0422675 1.0420192 1.0417709 1.0415226 1.0412743	1104507 1105836 1107166 1108497 1109829	1329 1330 1331 1332 1332	8895493 8894164 8892834 8891503 8890171	49 48 47 46 45
16 17 18 19 20	4581325 4583910 4586496 4589080 4591665	2586 2585 2586 2584 2585	5418675 5416090 5413504 5410920	4714150 4716977 4719804 4722631	1.0410260 1.0407776 1.0405292 1.0402807 1.0400322	1111161 1112494 1113828 1115162 1116497	1333 1334 1334 1335	8888839 8887506 8886172 8884838 8883503	44 43 42 41 40
21 22 23	4594248 4596832 4599415	2583 2584 2583 2583	5408335 5405752 5403168 5400585	4725458 4728284 4731110 4733936	1.0397837 1.0395352 1.0392867	1117834 1119170 1120508	1337 1336 1338 1338	8882166 8880830 8879492	39 38 37
24 25 26 27	4601998 4604580 4607162 4609744	2582 2582 2582	5398002 5395420 5392838 5390256	4736762 4739588 4742414 4745240	1.0390382 1.0387896 1.0385410 1.0382924	1121846 1123185 1124525 1125866	1339 1340 1341	8878154 8876815 8875475 8874134	36 35 34 33
28 29 30	4612325 4614906 4617486	2581 2581 2580 2580	5387675 5385094 5382514	4748066 4750892 4753718	1.0380438 1.0377952 1.0375466	1127207 1128549 1129892	1341 1342 1343 1343	8872793 8871451 8870108	32 31 30
31 32 33 34 35	4620066 4622646 4625225 4627804 4630382	2580 2579 2579 2578	5379934 5377354 5374775 5372196 5369618	4756543 4759368 4762194 4765020 4767845	1.0372979 1.0370492 1.0368004 1.0365516 1.0363028	1131235 1132580 1133925 1135270 1136617	1345 1345 1345 1347 1347	8868765 8867420 8866075 8864730 8863383	29 28 27 26 25
36 37 38 39	4632960 4635538 4638115 4640692	2578 2578 2577 2577 2577	5367040 5364462 5361885 5359308	4770670 4778494 4776318 4779143	1:0360540 1:0358052 1:0355564 1:0353075	1137964 1139312 1140661 1142011	1348 1349 1350 1350	8862036 8860688 8859339 8857989	24 23 22 21
40 41 42	4643269 4645845 4648420	2576 2575 2576	5356731 5354155 5351580	4781968 4784792 4787616	1.0350586 1.0348097 1.0345608	1143361 1144712 1146064	1351 1352 1352	8856639 8855288 8853936 8852584	20 19 18
43 44 45 46	4650996 4653571 4656145 4658719	2575 2574 2574	5349004 5346429 5343855 5341281	4790441 4793266 4796090	1.0343118 1.0340628 1.0338138 1.0335648	1147416 1148770 1150124 1151478	1354 1354 1354	8851230 8849876 8848522	17 16 15
47 48 49 50	4661293 4663866 4666439 4669012	2574 2573 2573 2573	5338707 5336134 5333561 5330988	4798914 4801737 4804560 4807384 4810208	1.0333157 1.0330666 1.0328175 1.0325684	1152834 1154190 1155547 1156905	1356 1356 1357 1358	8847166 8845810 8844453 8843095	13 12 11 10
51 52 53 54	4671584 4674156 4676727 4679298	2572 2572 2571 2571	5328416 5325844 5323273	4813031 4815854 4818678	1.0323193 1.0320702 1.0318210	1158264 1159623 1160983 1162344	1359 1359 1360 1361	8841736 8840377 8839017 8837656	9 8 7 6
55 56 57	4681869 4684439 4687009	2571 2570 2570	5320702 5318131 5315561 5312991	4821502 4824325 4327148 4829970	1.0315718 1.0313226 1.0310734 1.0308241	1162344 1163705 1165067 1166431	1361 1362 1364	8836295 8834933 8833569	5 4 3 2
58 59 60	4689578 4692147 4694716	2569 2569 2569	5310422 5307853 5305284	4832792 4835615 4838438	1.0305748 1.0303255 1.0300762	1167794 1169159 1170524	1363 1365 136 <b>5</b>	8832206 8830841 8829476	1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	4694716		5305284	4838438	1.0300762	1170524		8829476	60
1	4697284	2568		4841260	1.0298268	1170324	1366	8828110	59
2	4699852	2568	5302716 5300148	4844082	1.0295774	1173257	1367	8826743	58
3	4702419	2567	5297581	4846904	1.0293280	1174624	1367	8825376	57
4	4704986	2567	5295014	4849726	1.0290786	1175993	1369	8824007	56
5	4707553	2567	5292447	4852548	1.0288292	1177362	1369 1369	8822638	55
6	4710119	2566	5289881	4855370	1.0285798	1178731		8821269	54
7	4712685	2566	5287315	4858192	1.0283303	1180102	1371	8819898	53
8	4715250	2565	5284750	4861014	1.0280808	1181473	1371	8818527	52
9	4717815	2565	5282185	4863836	1.0278312	1182845	1372	8817155	51
10	4720380	2565 2564	5279620	4866658	1.0275816	1184218	1373 1373	8815782	50
11	4722944		5277056	4869479	1.0273321	1185591		8814409	49
12	4725508	2564	5274492	4872300	1.0270826	1186965	1374	8813035	48
13	4728071	2563 2563	5271929	4875121	1.0268329	1188340	1375 1376	8811660	47
14	4730634	2563	5269366	4877942	1.0265832	1189716	1377	8810284	46
15	4733197	2562	5266803	4880763	1.0263336	1191093	1377	8808907	45
16	4735759	2562	5264241	4883584	1.0260840	1192470		8807530	44
17	4738321	2561	5261679	4886405	1.0258343	1193848	1378 1378	8806152	43
18	4740882	2561	5259118	4889226	1.0255846	1195226	1380	8804774	42
19	4743443	2561	5256557	4892046	1.0253348	1196606	1380	8803394	41
20	4746004	2560	5253996	4894866	1.0250850	1197986	1381	8802014	40
21	4748564	2560	5251436	4897687	1.0248352	1199367	1382	8800633	39
22	4751124	2559	5248876	4900508	1.0245854	1200749	1382	8799251	38
23	4753683	2559	5246317	4903328	1.0243356	1202131	1383	8797869	37
24 25	4756242	2559	5243758	4906148	1.0240858 1.0238359	1203514	1384	8796486 8795102	36
	4758801	2558	5241199	4908968		1204898	1385		
26	4761359	2558	5238641	4911788	1.0235860	1206283	1385	8793717	34
27	4763917	2557	5236083	4914607	1.0233361	1207668	1386	8792332	33
28	4766474	2557	5233526	4917426	1.0230862	1209054	1387	8790946	32
29	4769031 4771588	2557	5230969 5228412	4920246	1.0228362 1.0225862	1210441 1211829	1388	8789559 8788171	31
		2556		4923066			1388		
31	4774144	2556	5225856	4925885	1.0223362	1213217	1389	8786783	29
32	4776700	2555	5223300	4928704	1.0220862	1214606	1390	8785394	28
33   34	4779255 4781810	2555	5220745 5218190	4931523 4934342	1.0218361 1.0215860	1215996 1217387	1391	8784004 8782613	27 26
35	4784364	2554	5215636	4937161	1.0213359	1217387	1391	8781222	25
		2555					1392		
36	4786919	2553	5213081 5210528	4939980	1.0210858	1220170	1393	8779830	24
37 38	4789472	2554	5210528	4942799 4945618	1.0208357 1.0205856	1221563 1222957	1394	8778437 8777043	23 22
39	4792026 4794579	2553	5205421	4948436	1.0203354	1224351	1394	8775649	21
40	4797131	2552	5202869	4951254	1.0200852	1225746	1395	8774254	20
41	4799683	2552	5200317	4954072			1396		
42	4802235	2552	5197765	4956890	1.0198350 1.0195848	1227142 1228538	1396	8772858 8771462	19
43	4804786	2551	5195214	4959708	1.0193345	1229936	1398	8770064	17
44	4807337	2551	5192663	4962526	1.0190842	1231334	1398	8768666	16
45	4809888	2551 2550	5190112	4965344	1.0188339	1232732	1398	8767268	15
46	4812438		5187562	4968162	1.0185836	1234132	1400	8765868	14
47	4814987	2549	5185013	4970980	1.01833332	1235532	. 1400	8764468	13
48	4817537	2550	5182463	4973798	1.0180828	1236933	1401	8763067	12
49	4820086	2549 2548	5179914	4976615	1.0178324	1238335	1402 1402	8761665	111
50	4822634	2548 2548	5177366	4979432	1.0175820	1239737	1402	8760263	10
51	4825182		5174818	4982249	1.0173316	1241141		8758859	9
52	4827730	2548	5172270	4985066	1.0170812	1242545	1404	8757455	8
53	4830277	2547 2547	5169723	4987883	1.0168307	1243949	1404 1406	8756051	8 7
54	4832824	2546	5167176	4990700	1.0165802	1245355	1406	8754645	6
55	4835370	2546	5164630	4993517	1.0163297	1246761	1407	8753239	5
56	4837916	2546	5162084	4996334	1.0160792	1248168	1407	8751832	4
57	4840462	2545	5159538	4999151	1.0158286	1249575	1407	8750425	3 2
58	4843007	2545	5156993	5001968	1.0155780	1250984	1409	8749016	2
59	4845552	2544	5154448	5004784	1.0153274	1252393	1410	8747607	1
60	4848096		5151904	5007600	1.0150768	1253803		8746197	0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	11

Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
4848096 4850640	2544 2544	5151904 5149360	5007600 5010416	1.0150768 1.0148261	1253803 1255214	1411 1411	8746197 8744786	60 59
485572 <b>7</b> 4858270	2543 2543 2542	5144273 5141730	5016048 5018864	1.0143247 1.0140740	1258037 1259450	1412 1413 1413	8741963 8740550	58 57 56 55
4863354 4865895	2542 2541	5136646	5024496	1.0135726	1262278	1415 1415	8737722	54 53
4868436 4870977 4873517	2541 2540	5131564 5129023 5126483	5030126 5032942 5035758	1.0130710 1.0128201 1.0125692	1265109 1266525 1267942	1416 1417	8734891 8733475 8732058	52 51 50
4876057 4878597 4881136	2540 2539	5123943 5121403 5118864	5038573 5041388 5044202	1.0123184 1.0120676 1.0118166	1269360 1270779 1272199	1419 1420	8730640 8729221 8727801	49 48 47
4883674 4886212	2538 2538 2538	5116326 5113788	5047016 5049831	1.0115656 1.0113147	1273619 1275040	1420 1421 1422	8726381 8724960	46 45
4891288 4893825	2538 2537 2536	5108712 5106175	5055460 5058274	1.0108128 1.0105618	1277884 1279307	1422 1423 1424	8722116 8720693	44 43 42
4898897	2536 2536	5101103	5063904	1.0100596	1282156	1425 1425	8717844	41 40 39
4903968 4906503	2535 2535	5096032 5093497	5069532 5072345	1.0095576 1.0093064	1285007 1286434	1427 1428	8714993 8713566	38 37 36
4911572 4914105	2533	5088428 5085895	5077972 5080786	1.0088041	1289290 1290719	1429	8710710 8709281	35 34 33
4919171 4921704	2533 2533 2532	5080829 5078296	5086412 5089225	1.0080504 1.0077992	1293580 1295011	1431 1431 1432	8706420 8704989	32 31 30
4926767 4929298	2531	5073233 5070702	5094851 5097664	1.0072967 1.0070454	1297876 1299309	1433	8702124 8700691	29 28
4931829 4934359 4936889	2530 2530	5068171 5065641 5063111	5100477 5103290 5106103	1.0067940 1.0065426 1.0062912	1300744 1302179 1303614	1435 1435 1437	8697821 8696386	27 26 25
4939419 4941948 4944476	2529 2528	5060581 5058052 5055524	5108916 5111728 5114540	1.0060398 1.0057884 1.0055370	1305051 1306488 1307926	1437 1438	8694949 8693512 8692074	24 23 22
4947005 4949532	2527 2528	5052995 5050468	5117352 5120164	1.0052855 1.0050340	1309364 1310804	1440 1440	8689196	21 20 19
4954587 4957113	2526 2526	5045413 5042887	5125788 5128599	1.0045310 1.0042795	1313685 1315126	1441 1443	8686315 8684874	18 17 16
4962165 4964690	2525	5037835 5035310	5134222 5137034	1.0037764 1.0035248	1318012 1319456	1444	8681988 8680544	15 14
4969740 4972264	2525 2524	5030260 5027736	5142656 5145467	1.0030214 1.0027698	1322345 1323791	1445 1446	8677655 8676209	13 12 11
4974787 4977310 4979833	2523 2523	5025213 5022690 5020167	5151089	1.0025182 1.0022664 1.0020146	1325238 1326686 1328134	1448 1448	8673314 8671866	9 8
4982355 4984877 4987399	2522 2522	5017645 5015123 5012601	5156710 5159520 5162330	1:0017629 1:0015112 1:0012593	1329583 1331033 1332483	1450 1450	8670417 8668967 8667517	8 7 6 5
4989920 4992441 4994961	2521 2520	5010080 5007559	5165140 5167951	1.0010074 1.0007556 1.0005038	1333934 1335386 1336839	1452 1453	8666066 8664614 8663161	4
4997481 5000000	2520 2519	5005039 5002519 5000000	5173571 5176380	1·0005058 1·0002519 1·0000000	1338292 1339746	1453 1454	8661708 8660254	3 2 1 0
Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
	4848096 4850640 4856184 4855727 4850812 4863354 4865595 4863436 4870977 4873517 4876057 4876557 4878597 4878597 4878597 4881136 4888750 4891288 499368 4906503 4906503 4909038 4911572 4914105 4916038 4919171 4921704 4924236 4926767 4929298 4934859 4934859 493487 4971918 4947005 4947005 494705 4947065 4949532 4952060 4954587 4957113 4959639 4962165 4964690 4967215 4969740 4977236 4977310 4977310 4977333 4962165 4967409 4977393 4989200 4992441 4997431 5000000	4848096 4850640 2544 4853184 4855727 2543 4860812 2542 4860812 2542 4860812 2542 4863595 2541 4865895 2541 4870977 2540 4876057 4878597 2540 4878057 2540 4878057 2540 4878057 2540 4878057 2540 4878057 2540 4878057 2540 4878057 2550 4881136 2538 4883754 2538 4883750 2538 4883750 2538 4891288 2537 4896361 2536 4898897 2556 4898897 2556 4906503 2538 4901408 2538 4911672 2533 4911672 2533 4911672 2533 4911672 2533 4911672 2533 4911672 2533 491405 4924236 2531 4926767 4929298 2531 4926767 4929298 2531 4926767 4929298 2531 4926767 4929298 493419 4947005 2529 4949532 2530 4939419 2529 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947005 2528 4947705 2528 4947705 2528 4947705 2528 4952060 4954587 2528 4974781 2528 49777310 492920 492441 2520 4997451 2520 4999461 2520 4997451 2520 4997451 2520 4997451 2520 4997451 2520 4999461 2520 4997451 2520 4997451 2520 4997451 2520	4848096 485040 485040 4853134 4855270 2543 4814273 4858270 2543 5144273 4858270 2543 5144273 4858270 2543 5144273 4858270 2543 5144273 4858270 2544 5189188 4863354 4863555 2541 5138164 4870977 2541 5131564 4870977 2541 513164 4870977 2541 513203 4873517 2540 512043 4873517 2540 512043 4873517 2540 512043 4881136 2538 511884 4883674 42538 511884 4888750 2538 511884 4888750 2538 5118864 4888750 2538 5118864 4888750 2538 5118864 4888750 2538 5118864 4888750 2538 5118864 4888750 2538 5118864 4888750 2538 5118864 4888750 2538 5118632 4891283 4891283 490391 2536 5100103 490398 2536 4906503 2535 509497 4909038 2534 491105 2533 4914105 2534 491711 2533 5088292 491714 2533 5088291 491714 2533 508291 491714 2533 508	4848096 4850640 2544 514930 5010416 4853184 2544 5146816 5013232 4858270 2543 5144273 5016048 4858270 2542 5141730 5018864 4860812 2542 5141730 5018864 486354 2542 5138188 5021680 4863436 2541 5136465 5027311 486436 4870977 2541 5136405 5027311 2540 5126433 5035758 4873517 2540 5126433 5035758 4873517 2540 5126433 5035758 4876057 4878597 2540 5121403 5041224 4883136 2539 5118364 5044202 4883874 42538 5118364 5044202 4883750 2538 5118364 5044202 4883750 2538 5118364 5044202 4883875 4888750 2538 5118364 5044202 4893825 2537 5106175 50562646 4893825 2537 5106175 5056394 4896361 2536 510103 5063904 4901433 4903988 2536 5098497 4907438 4911672 2533 50858428 5077972 4914105 2533 50858438 508589 5086811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 4934359 2530 5066811 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477 5100477	4848096 485040 485040 485040 4856132 42544 5149360 5010416 10148261 10148261 48563134 42544 5149360 5010416 10148261 1014827 4868312 2542 5138188 5021880 10138233 101382183 4868436 2541 5131564 50820126 10138718 4878597 2540 5129483 5083573 10125602 4878657 2540 5129483 5083573 10125602 4878657 2540 5121403 5041838 10120676 4881136 2539 5118864 5044202 10118166 4888262 2538 5118363 5049831 10113147 4888750 2538 5118364 5044202 10118166 4888750 2538 5118364 5044202 10118166 1011638 4888750 2538 5118788 5049831 10113147 4888750 2538 5111250 5052646 1010038 4893825 2537 5100175 5068274 10106518 4893825 2537 5100175 5068274 10106518 490363 25365 5004632 5069632 5069632 5069632 5069632 5069632 5069632 5069632 5069632 5069632 5069632 5072445 10006576 10006503 4901433 4914106 2533 5088428 5077972 10088041 4911071 2533 5088428 5077972 10088041 4911071 2533 508829 5083699 10083017 4919171 2533 508829 5080611 5100477 50806412 50806412 50806412 50806412 50806412 50806412 50806412 50806412 50806412 50806412 50806412 50806414 50806413 50806412 50806414 50806614	4848096	4848096	4848096 4856040 4856040 4856040 4856040 4856040 4856184 2544 514086 5010416 5010416 1-0145261 1-

Sine   Diff.   Covers.   Chord   Co-chord   Vers.   Diff.   Cosine   /	_	Deg.								
1   5002519   20.19   4097481   5170100   9997481   1341201   14805   8665700   50   5007556   2017   4092444   5184810   9994002   3147626   1457   866587   57   5654430   56   56   5012501   2516   4097400   5190429   9987402   1347027   1457   8665837   57   56   56   5012501   2516   4097400   5190429   9987402   1347027   1457   8665837   57   56   56   5012501   2516   4097400   5190429   9987402   1347027   1457   8665837   57   56   56   5017604   2516   40982376   5190047   998281   1349045   1409   8660005   53   5017604   2516   40982376   5190047   998281   1349045   1409   8660005   53   5012605   2515   4077345   5021065   9977319   1552860   1401   8647134   51   5027655   502855   2015   4077345   5021045   9077319   1552860   1401   8647134   51   5027655   5037502   9074709   5154827   1402   8046733   51   5037732   907276   1355799   1402   8046214   4097237   5212808   9067232   1365710   804411   4098205   5215700   9090754   1557625   4038   8642743   41   4097237   5212808   9067232   1365710   4048808   6047733   5212700   9007470   1365725   4082200   521570   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   47   47   47   47   47   47   4	,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
1   5002519   20.19   4097481   5170100   9997481   1341201   14805   8665700   50   5007556   2017   4092444   5184810   9994002   3147626   1457   866587   57   5654430   56   56   5012501   2516   4097400   5190429   9987402   1347027   1457   8665837   57   56   56   5012501   2516   4097400   5190429   9987402   1347027   1457   8665837   57   56   56   5012501   2516   4097400   5190429   9987402   1347027   1457   8665837   57   56   56   5017604   2516   40982376   5190047   998281   1349045   1409   8660005   53   5017604   2516   40982376   5190047   998281   1349045   1409   8660005   53   5012605   2515   4077345   5021065   9977319   1552860   1401   8647134   51   5027655   502855   2015   4077345   5021045   9077319   1552860   1401   8647134   51   5027655   5037502   9074709   5154827   1402   8046733   51   5037732   907276   1355799   1402   8046214   4097237   5212808   9067232   1365710   804411   4098205   5215700   9090754   1557625   4038   8642743   41   4097237   5212808   9067232   1365710   4048808   6047733   5212700   9007470   1365725   4082200   521570   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   4008005   521070   9004710   301010   1406   8603802   47   47   47   47   47   47   47   4		5000000		E000000	£176900	7 +00000000	1000740		DODOGEA	80
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6         6012591         2515         4987409         5109293         9087402         1347027         1457         6629373         55           7         5017624         25117         4983803         5109203         9084882         1348486         1459         8651515         54           8         620140         2515         4997340         511866         997881         1351405         1461         864505         53           10         502265         2515         4997340         518866         9978810         1351405         1461         8642743         51           11         5027685         2514         4972815         5027932         9972276         1462         864673         51           12         5030199         2514         4997287         521380         9978719         1355718         1462         8642743         48           13         5032713         2514         4997287         521380         99672292         1355718         1464         8642743         48           14         5038227         2513         494773         5212808         99672927         1355719         1466         8633820         444424         147         146286444         1	4				5187620	9989922				56
6 6015107 2517 4984503 5198288 9984882 1348486 1459 865055 53 8 6020140 2516 4079800 519856 907894 1351405 1460 865055 53 55 50 502040 2516 4079800 519856 907894 1351405 1460 865055 53 55 50 502055 2515 4078830 5201474 9074708 1352866 1461 8647134 51 150 5025170 2515 4078830 5201474 9074708 1352861 1461 8647134 51 150 5025170 2515 4078830 5201474 9074708 1352861 1461 8647134 51 150 5025170 2515 4078830 5201474 9074708 1355789 1463 86452134 12 12 5030199 2514 4009801 5210080 9000764 1357252 1463 8642748 48 1461 1461 1461 1461 1461 1461 1461	5				5190429					
7         5017694         2516         4992376         5109047         9082861         1349945         1439         8650055         52           8         5022045         2515         4977846         5201665         9977819         1355406         1401         864733         51           10         5025170         2515         4977836         5201474         9074798         1354327         1402         864733         51           11         5036190         2514         4972815         5207600         9006754         1357252         1464         8642748         481           12         5030190         2514         4907287         5212808         9067292         1355116         4646         8642244         47           14         5035227         2513         4904773         5212506         9062188         1361645         1466         8633820         461           16         5042765         2513         4906774         521234         9050066         1363111         1466         8633820         461           17         5042766         2512         4954724         52293746         905007         1376512         1408         863423         43           18	6	5015107		4094909	5103238	0084889	1949496		8651514	54
8   6920140   2011   407980   519856   997731   135986   1401   8647134   51   10   6025170   2515   4074830   5201474   9074798   1354867   1401   864734   51   1507982   2514   4090801   5210900   9009754   1357252   1403   8644211   40   12   5000199   2514   4090801   5210900   9009754   1357252   1403   8644211   40   12   5000732   2514   4090801   5210900   9009754   1357252   1403   8644211   40   12   5000732   2514   4090801   5210900   9009754   1357262   1404   8611244   40   40   40   40   40   40   40	7									
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10   5025170   2515   4974830   5204744   9074708   1364827   1402   8646713   5030190   2514   4902801   5210900   9002754   1357599   1403   8644211   491211   5030190   2514   4902801   5210900   9002754   1357599   1403   8644211   49121   49121   4	9	5022655		4977345						51
11	10	5025170		4974830	5204474	9974798	1354327		8645673	50
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13   5032713										
14   5035227   2512   4964773   5215706   9064710   360180   1465   8639355   45     15   5037740   2512   4969748   5221324   9959666   1368111   1466   8636889   44     17   5042765   2511   4967235   5224181   9959666   1368111   1466   8636889   44     18   5045276   2512   4954724   5220338   9054620   13664677   1468   8635423   43     19   5047788   2510   495212   5229746   9062097   1367612   1469   8632488   41     20   5050208   2511   4940702   522554   9049574   1368881   1470   8635468   41     21   5052809   2510   49447191   5225362   9049574   136881   1470   8625049   32     22   5055819   2510   49447191   5238170   9044528   1371921   1470   8625049   32     23   5067828   2510   4942172   5240977   9442004   1373392   1471   8625063   37     24   5060338   2508   4931272   5240977   9442004   1373392   1471   8625063   37     25   5062846   2509   4937164   5246938   9084480   1377809   1471   8625064   35     26   5065835   2508   493165   5240977   9042004   1373392   1471   8625063   37     25   5062846   2509   4937164   5246938   9084480   1377809   1474   862211   862603   37     25   5062846   2509   493716   5240938   9084480   1377809   1474   862211   862603   37     25   5062846   2509   493164   524038   9084480   1377809   1474   862211   8620717   33     25   5062846   2509   492630   5256012   9920380   1380757   1474   862211   34   32   32   5070370   2507   4927123   5257818   902635   138232   1476   861778   31   30   5075384   2500   492410   5263430   9019278   138663   1478   8611876   29   5075877   5070   4927123   5257818   902635   1383141   1478   8611876   29   5075877   5070   4927123   5257818   902635   1383141   1478   8611876   29   5075877   5070   4927123   5257818   901926   1397026   1479   860800   25   506806   4016004   526024   9924330   138576   1477   8616292   30   5075780   4024616   5200024   9924330   138576   1478   861185   20   507580   40000000000000000000000000000000000				4967287	5212898	9967232	1358716			47
16					5215706				8639820	
10	15	5037740		4962260	5218515	9962188	1361645		8638355	45
18										
10   5047788   2510   4994724   25229746   995297   1367512   1468   8632483   41										
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21   6562809   2511   4947/191   5232554   399495/4   1395981   1470   8625494   39   25   5055319   2500   4944681   5238170   9944528   1371921   1471   8628079   38   35057828   2500   494281   5249977   3942004   1373392   1471   8626083   37   24   500338   2508   4938062   5243784   9939480   1374863   1473   8625187   36   2506846   2509   4937154   5246977   3942004   1373392   1471   8622608   37   25   5002346   2509   4937154   5246591   9936955   1376366   1473   8622187   36   25   25   25   25   25   25   25   2										
22   5055319   2509   4944081   5288170   9044528   1371021   1471   8628070   387   241   5000383   2509   4939062   524977   9042004   1373392   1471   8626003   387   365   5002346   2509   4932162   5246977   9042004   1373392   1471   8626003   37   365   5002346   2509   4937154   5246591   9936955   137636   1473   8625137   36   250   5002346   2500   4932137   525205   9938955   137636   1473   8622137   36   250   2507   4932137   525205   9981905   1379283   1474   8620717   33   250   2507   4927123   5257818   9926855   1382932   1476   8617763   31   250   250   4924616   5260024   9924330   1385705   1475   8619243   32   250   250   4924616   5260024   9924330   1385705   1475   861262   30   5075384   2506   4924105   5260236   9919278   1386663   1473   861385   25   250   4910404   5276364   9924330   1385705   1475   861815   29   250   250   4910404   5260236   9919278   1386663   1478   861385   25   250   4910404   5276365   9911700   1391090   1479   8610350   26   250   49104694   5271850   9914226   1389020   1479   8610350   26   250   49104694   5271850   991426   1389020   1479   8610350   26   250   4904579   5283072   9904120   1395643   1482   8607420   24   2503   4904579   5283072   9904120   1395504   1482   8607420   24   25004   2502   4890574   5283684   989064   1398500   1484   8601491   20   250   4890574   5283684   989004   1398500   1484   8601491   20   44   5110431   2500   4886507   530270   9804120   1395504   1484   8601491   20   44   5110431   2500   4886507   530270   9804824   1409363   1488   860970   25   148   4510431   2500   488669   5302709   981481   140968   1488   860907   148   5110431   2500   488669   5302709   981481   140968   1488   8609467   148   5110431   2500   4887075   531673   9876308   1411891   1490   8588591   148   5110431   2500   48870675   530378   9886871   140698   1488   8594064   15   5120429   2498   487077   5316369   5302709   9886287   140449   1487   3589551   148   4510404   1490   3588509   12   14890406   1488   3592	1			4949702		9949574	1368981		8631019	
22   5005319   2500   4943112   5240077   9944204   373392   1471   8620603   37   37   37   37   37   37   37			9510					1470		
23							1371921			
25				4942172			1373392			
26         5005355         2509         4937104         5240998         993430         1377809         1474         8622191         34           27         5067863         2507         492137         5252205         9931905         1377809         1474         8622191         33           29         5072877         2507         4927123         5257818         9926355         1382232         1476         8617768         31           30         5075342         2506         4924101         5263430         9921804         1383708         1477         8616292         30           31         5077979         2506         492110         5266430         9921804         1385185         1478         8614815         29           32         5083096         2506         4919604         5260348         9916752         1383141         1478         8613837         23           34         5085406         2504         4912090         5274655         991170         1391093         1479         8610850         26           35         5087910         2504         4912090         5274655         991170         1391093         1481         8608901         25           36 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1374863</td> <td>1473</td> <td></td> <td></td>							1374863	1473		
27						9936955	1376336			
23			2508					1474		
29	27	5067863					1379283			
250   25075834   2506   49221125   5251818   3922855   1382322   1476   8617178   8616292   30   31   5077890   2506   4922110   5263430   9921804   1385185   1478   861815   29   2505   2505   4919604   5260236   9919278   1386663   1478   8613337   23   23   2505   2505   4917099   5269043   9916752   1388141   1479   8611859   27   25   25   25   25   25   25   25	28	5070370								
31         5077890         2506         4922110         5263430         9921304         1385185         1477         8614815         29           32         5080396         2506         4919604         5266236         9919278         138663         1478         8614815         29           33         5082901         2505         4914694         5271850         9919778         138663         1478         8613337         23           36         5087910         2504         4912090         5274656         9911700         1391099         1479         8610380         26           36         5090414         2504         4909586         5277460         9909174         1391099         1481         8609901         25           37         5092918         2503         4907082         5280266         9906647         1394061         1481         8605939         23           38         5095421         2503         4902076         5283072         9901592         1397025         1482         8604467         22           39         5097924         2502         4899574         5283684         980904         1398503         1488         8601491         20           40								1476		
\$2	1		2506				1383708	1477		
33 5032001 2505 4917099 5289043 9916752 1388141 1479 8610380 26 34 5085406 2504 4912090 5274656 9911700 1391099 1489 8606990 25 36 5087910 2504 4912090 5274656 9911700 1391099 1481 8606990 25 36 5090414 2504 4909586 5277460 9909174 1392580 1481 8606990 25 38 5095421 2503 4904579 5293072 9904120 1395543 482 8604457 22 39 5097924 2503 4904579 5293072 9904120 1395543 488 8604457 22 39 5097924 2503 4902076 5285878 9901592 1397025 1482 8604457 22 39 5097924 2502 4899727 5285884 9899064 1398509 1484 8601491 20 41 510298 4890702 5291489 9996537 1399993 1488 8600007 19 42 5106429 2501 4894571 5294294 9894010 1401477 1486 8598523 18 43 5107930 2501 4892070 5297099 9891481 1402063 1486 8597037 17 44 5110431 2500 4887069 5302709 9886424 1405936 1488 8590551 16 46 5115431 2499 4884569 5305514 9883896 1407424 1488 8592576 14 47 5117930 2499 4884571 5308318 9831367 1408912 1488 8590586 148 48 5120429 2499 4882070 5308318 9831367 1408912 1489 8599088 12 49 5122927 2493 4877075 5316732 9876803 1411891 1490 8588619 10 51 5127923 2497 480580 5302514 9873873 1411891 1490 8588619 10 51 5127923 2497 480580 5302514 983896 1407424 1488 8592576 14 513493 2499 4882070 5308318 9831367 1408102 1489 8591088 13 5132916 2498 4874575 5316732 9876803 1411891 1490 8588619 10 51 5127923 2497 480580 5322340 9868713 1413851 1490 8588619 10 51 5127923 2497 480580 5322340 9868713 1413851 1490 8588619 10 51 5127923 2497 480580 5322340 9868713 1413851 1492 8586619 10 51 5127923 2497 480580 5322340 9868713 1413851 1492 8586619 10 51 513643 2496 486000 533254 9868618 1417857 1494 858964 6556 532340 9868713 1413851 1492 8586619 10 51 5140404 2495 4864587 5325143 9866183 1417857 1494 858064 6556 532340 9868713 1413851 1499 8585127 9 52 5130420 2496 486000 5332540 9868713 1413851 1499 8585127 9 53 5132916 2496 486000 5332540 9868713 1413851 1499 8585127 9 54 514464 2495 4864587 5325143 9866183 1417857 1494 858064 66 5154381 2494 4854607 5339162 9853534 1419851 1494 858064 66 5154381 2494 4854007 5339162 9853534 1413891 1499 85871673 0			2506					1478		29
34         5085406         2504         4914694         5271850         9914226         1389420         1479         8610380         26           36         5087910         2504         4912090         5274656         9911700         1391099         1479         8610380         26           36         5090414         2504         4909586         5277460         990174         1392580         1481         8608901         25           37         5092918         2503         4904579         5283072         9904120         1395543         1482         8605939         23           38         5095421         2503         4902076         5285878         9901592         1397025         1482         8604467         22           39         5097924         2502         4899574         5285684         9899064         1398509         1482         8602497         21           40         5100428         2501         4897072         5291489         9896537         139993         1484         8601491         20           42         5106429         2501         4892070         5297099         9891481         1402963         1488         85070371         1486         85070371										28
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36         5090114         2504         4909586         5277460         9909174         1392580         1481         8607420         24           37         5092918         2503         4904579         5283072         9904120         139543         1482         8604457         22           39         5097924         2503         4902076         5285878         9901592         1397025         1484         8602975         21           40         5100426         2502         4897072         5291489         9896537         1399993         1484         8601491         20           42         5105429         2501         4897072         5291489         9896537         1399993         1486         859523         18           48         5107930         2501         4895070         5297099         9891481         140263         1486         8595521         18           45         5110431         2500         4887069         5302709         9886424         1406996         1487         8596551         16           46         5115431         2500         4887070         5308318         983167         1408912         1488         8590551         16           47<								1479		20
37   5002918   25004   4907082   5280296   5280296   5280296   52802972   52802972   52802972   52802972   52802972   52802   4902076   5285878   52802972   52802972   52802972   52802972   52802972   52802972   52802972   52802972   52802972   528029904   52802975   52802975   52802972   52802			2504					1481		
38         5096421         2003         4904579         5283072         9004120         1305543         1482         8604467         22           40         5097924         2503         4902076         5285878         9901592         1397025         1484         8602975         21           40         5100426         2502         4899574         5285684         9899064         1398509         1484         8601491         20           41         5102928         2501         4897072         5291489         9896537         1399993         1484         8600007         19           42         5106429         2501         4892070         5297099         9891481         1402963         1488         8507037         17           44         5110431         2500         4887069         5302509         9886424         1405936         1488         85995761         16           45         5112931         2500         4887696         5305514         9833896         1407424         1488         8594064         15           46         5115491         4884569         5305514         9833896         1407424         1488         85992576         14           47 <td< td=""><td></td><td></td><td>2504</td><td></td><td></td><td>9909174</td><td></td><td>1481</td><td></td><td></td></td<>			2504			9909174		1481		
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40         5100426         2502         4890574         5283684         9899064         1398500         1484         8601491         20           41         5102928         2502         4897072         5291489         9896637         1399993         1484         860007         19           42         5106429         2501         4894571         5294294         9894010         1401477         1486         8598523         18           43         5107930         2501         4892070         5297099         9891481         1402963         1486         8597037         17           44         5110431         2500         4887099         5302709         9886424         1405996         1488         8594064         15           46         5115431         2499         488569         5305514         9833896         1407424         1488         8591088         13           47         5117930         2499         4879571         5311322         9878338         1410401         1488         8594084         1488         8594084         149885699         12         49         5122927         2493         4874575         5316732         9878778         141381         1490         8585099 <td></td>										
41 5102928 2501 4897072 5291489 9896537 1399993 1484 8600007 19 42 5106429 2501 4894571 5294294 9894010 1401477 1486 8597037 17 43 5107930 2501 4899070 5297099 9891481 1402963 1486 8597037 17 44 5110431 2500 4887069 529904 9888952 1404449 1487 8595551 16 45 5112931 2500 4887069 5302709 9886424 1405036 1488 8594064 15 46 5115431 2499 4884569 5305514 9883896 1407424 1488 8592576 14 47 5117930 2499 4879571 5311122 9878838 140401 1490 858509 12 48 5120429 2498 4877073 5313927 9876303 1411891 1490 8585109 11 50 5125425 2498 4877675 5316732 9873778 1413381 1490 8585109 11 51 5127923 2497 4879577 5319536 9871248 1414873 1492 858619 10 51 512793 2497 4808680 5302549 9863718 1414873 1492 858619 10 51 5127923 2497 4808680 5302540 9863718 1414873 1492 858619 10 52 5130420 2496 4806986 532240 9863718 1413951 1492 858619 10 53 5132916 2496 4807084 5325143 986183 1417857 1494 8580449 6 54 5135413 2497 4804587 5327946 9863685 1419351 1494 8580649 6 55 5137908 2496 4802002 5330750 9861127 1420845 1495 8579155 5 56 5140404 2495 4859506 533554 9883665 1423836 1496 857060 4 58 514593 2494 4859506 533554 985365 1423836 1496 857060 4 58 514593 2494 485007 533062 985363 1423836 1496 857060 4 58 514593 2494 485007 533065 9851008 1423820 1496 8570164 3 58 514593 2494 485407 533062 9853584 1425832 1496 8570164 3 58 514598 2494 485407 533062 9853584 1425832 1498 8571673 0										
42         5166429         2501         4894571         529494         9894010         1401477         1484         8598523         18           43         5107930         2501         4892070         5297099         9891481         1402963         1486         8597037         17           44         5110431         2500         4887069         5299904         9888952         1404449         1487         8598551         16           46         5115431         2499         4884569         5305514         9883896         1407424         1488         8592576         14           47         5117930         2499         4882070         5308318         9881367         1408912         1489         8591088         18           48         5120429         2499         4879571         5311122         9878338         1410401         1490         8589599         12           49         5122927         2498         4874575         5316732         9873778         1413891         1490         8585109         11           50         5125425         2498         4872077         5319636         9871248         1414873         1492         8558127         9           5			2502			1		1484		1
43         5107930         25011         4899070         5297099         9891481         1402963         1486         8597037         17           44         5110431         2500         4889569         5299904         9888952         1404449         1487         8595551         16           45         5112931         2500         4887069         5302709         9886424         1405936         1488         8594064         15           46         5115431         2499         4884569         530514         983896         1407424         1488         8592576         14           47         5117930         2499         4882070         5308318         9831367         1408912         1489         859599         12           49         5122927         2493         4877073         5313927         9876303         1411891         1490         8588109         11           50         5125425         2498         4874575         5316732         9873778         1413831         1492         8586109         11           51         5127923         2496         4809580         5322340         98671243         1414873         1492         8585127         9           5										
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46         5112931         2500         4887069         5302709         9886424         1405936         1483         8594064         15           46         5115431         2499         4884569         5305514         9838396         1407424         1483         8592576         14           47         5117930         2499         4879571         5311122         9878838         140401         1489         85991088         13           48         5120429         2493         4877073         5313927         9876303         1411891         1490         8588109         11           50         5125425         2493         4874575         5316732         98738778         1413881         1490         8588091         10           51         5127925         2494         480580         5322340         9871243         1414873         1492         8586019         10           52         5130420         2496         4807084         5325143         9860188         1417857         1492         8583635         8           55         5137903         2496         4806020         5330750         9861127         1420845         1494         8580649         6           5	44									
46         5115431         2499         4884569         5305514         9833896         1407424         1483         8592576         14           47         5117030         2499         4882070         5306318         9831367         1408912         1488         8591085         13           48         5120429         2493         4877671         5311122         9878338         1410401         1489         8585999         12           49         5122927         2493         4877073         5318927         9876308         1411891         1490         8588109         11           50         5125425         2498         4874575         5316732         9877178         1413831         1492         8586019         10           51         5127923         2497         487077         5319536         9871248         1414873         1492         8585027         9           52         5130420         2496         4890580         532240         9867124         1416365         1492         8583635         8           53         5132916         2497         4864587         5327046         9863658         1419351         1494         8580649         6           55 </td <td>45</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	45									
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	46	5115431		4884569	5305514	9883896	1407494		8592576	14
48         5120429         2499         4879571         5311122         9878838         1410401         4489         8589599         12           49         5122927         2493         4877073         5313927         9873708         1411891         1490         8588109         11           50         5125425         2498         4874575         5316732         9873778         1413891         1490         8586019         10           51         5127923         2497         4809580         5322340         985712         1414873         1492         8583635         8           53         5132916         2497         4807084         5325143         9866188         1417857         1494         8582143         7           54         5135413         2495         4806020         5330750         9863128         1419851         1494         8580649         6           55         5137903         2495         4850020         5330750         9861127         1420845         1496         8577060         4           56         5140404         2495         4857010         5336538         9850065         1422340         1496         8576604         4           58 <td></td>										
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		5120429		4879571					8589599	
50         5125425         2498         4874575         5316732         9873778         1413831         1492         8566619         10           51         5127923         2497         4872077         5319530         9871248         1414573         1492         8585127         9           52         5130490         2496         4867084         5322240         9868718         1416365         1492         8583635         8           53         5132916         2497         4864587         5327946         9863658         1419351         1494         8580649         6           55         5137908         2496         4802002         5330750         9861127         1420845         1495         8579155         5           56         5140404         2496         4850506         533554         9858596         1422340         1496         8577660         4           57         5142899         2494         4857101         5336353         9850065         142386         1496         8576164         3           58         5145932         2494         485407         5393162         9851008         1420842         1496         857166         2496         482407         53				4877073	5313927	9876308	1411891		8588109	11
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	50	5125425		4874575	5316732	9873778	1413381		8586619	10
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				4872077	5319536	9871248	1414873		8585127	
53         5132916         2490         4867084         5325143         9866183         1417557         1494         8582143         7           54         515413         2497         484587         5327946         9863658         1419351         1494         8580649         6           55         5137908         2496         4862092         5330750         9801127         1420845         1495         8579155         5           56         5140404         2495         4857101         5336353         9850065         1423386         1496         8577660         4           57         5142899         2494         4854607         5339162         9853534         1425332         1496         8574668         2           59         5147887         2494         4854007         539162         9851003         1420829         1497         8573171         1           60         5150381         2494         4849619         5344768         9848472         1428327         1498         8571673         0		5130420								8
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56         5147095         2496         4852002         5330750         9851127         1420345         1495         8579155         5           56         5140404         2495         485596         5333554         9858596         1422340         1496         857660         4           57         5142899         2494         4857101         5336353         9850065         1423836         1496         8576164         3           58         5145393         2494         4854007         5339162         9853534         1425332         1496         857468         2           59         5147887         2494         4852113         5341965         9851003         1420329         1498         8573171         1           60         5150381         2494         4849619         5344768         9848472         1428327         1498         8571673         0										
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57     51428393     2494     4857101     5333353     9500005     1423335     1496     8576104     3       58     5145938     2494     4854007     5390162     98553534     1425332     1497     8574668     2       59     5147887     2494     4852113     5341965     9851008     1426329     1498     8573171     1       60     5150381     2494     4849619     5344768     9848472     1428327     1498     8571673     0					5333554			1496		
59 5147887 2494 4852113 5341965 9851008 1420829 1497 8573171 1 60 5150381 2494 4849619 5344768 9848472 1428327 1498 8571673 0					5336358					3
50 5150381 2494 4852113 5341965 9851008 1420829 1498 8571673 0							1425332			2
			2494							1
Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sine	100	0100001		3030019	0934109	8013112	1420021		0011010	0
	1.	Cosine	Diff.	Vers.	Co-chord	Chord	Covers	Diff.	Sine	1.
		-			or chord	0.1014	0010101			
						U				1

	or neg.								
,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	5150381	2493	4849619	5344768	9848472	1428327	1499	8571673	60
1	5152874	2493	4847126	5347571	9845940	1429826	1499	8570174	59
2	5155367	2492	4844633	5350374	9843408	1431325	1500	8568675	58
3	5157859	2492	4842141	5353176	9840875	1432825	1501	8567175	57
4	5160351	2491	4839649	5355978	9838342	1434326	1501	8565674	56
5	5162842	2491	4837158	5358781	9835809	1435827	1502	8564173	55
6	5165333	2491	4834667	5361584	9833276	1437329	1503	8562671	54
7	5167824	2490	4832176	5364386	9830743	1438832	1504	8561168	53
8	5170314	2490	4829686	5367188	9828210	1440336	1504	8559664	52
9	5172804	2489	4827196	5369990	9825677	1441840	1505	8558160	51
10	5175293	2489	4824707	5372792	9823144	1443345	1506	8556655	50
11	5177782	2488	4822218	5375594	9820610	1444851	1506	8555149	49
12	5180270	2488	4819730	5378396	9818076	1446357	1508	8553643	48
13	5182758	2488	4817242	5381198	9815541	1447865	1508	8552135	47
14	5185246	2487	4814754	5384000	9813006	1449373	1508	8550627	46
15	5187733	2486	4812267	5386801	9810471	1450881	1510	8549119	45
16	5190219	2486	4809781	5389602	9807936	1452391	1510	8547609	44
17	5192705	2486	4807295	5392403	9805401	1453901	1511	8546099	43
18	5195191	2485	4804809	5395204	9802866	1455412	1511	8544588	42
19	5197676	2485	4802324	5398005	9800330	1456923	1513	8543077	41
20	5200161	2485	4799839	5400806	9797794	1458436	1513	8541564	40
21	5202646	2484	4797354	5403607	9795258	1459949	1513	8540051	39
22	5205130	2483	4794870	5406408	9792722	1461462	1515	8538538	38
23	5207613	2483	4792387	5409208	9790186	1462977	1515	8537023	37
24	5210096	2483	4789904	5412008	9787650	1464492	1516	8535508	36
25	5212579	2482	4787421	5414809	9785113	1466008	1517	8533992	35
26	5215061	2482	4784939	5417610	9782576	1467525	1517	8532475	34
27	5217543	2481	4782457	5420410	9780038	1469042	1518	8530958	33
28	5220024	2481	4779976	5423210	9777500	1470560	1519	8529440	32
29	5222505	2481	4777495	5426009	9774962	1472079	1519	8527921	31
30	5224986	2480	4775014	5428808	9772424	1473598	1521	8526402	30
31	5227466	2479	4772534	5431608	9769886	1475119	1521	8524881	29
32	5229945	2479	4770055	5434408	9767348	1476640	1521	8523360	28
33	5232424	2479	4767576	5437207	9764810	1478161	1523	8521839	27
34	5234903	2478	4765097	5440006	9762272	1479684	1523	8520316	26
35	5237381	2478	4762619	5442805	9759733	1481207	1524	8518793	25
36	5239859	2477	4760141	5445604	9757194	1482731	1524	8517269	24
37	5242336	2477	4757664	5448403	9754654	1484255	1526	8515745	23
38	5244813	2477	4755187	5451202	9752114	1485781	1526	8514219	22
39	5247290	2476	4752710	5454001	9749574	1487307	1526	8512693	21
40	5249766	2475	4750234	5456800	9747034	1488833	1528	8511167	20
41	5252241	2476	4747759	5459598	9744494	1490361	1528	8509639	19
42	5254717	2474	4745283	5462396	9741954	1491889	1529	8508111	18
43	5257191	2474	4742809	5465195	9739413	1493418	1529	8506582	17
44	5259665	2474	4740335	5467994	9736872	1494947	1531	8505053	16
45	5262139	2474	4737861	5470791	9734331	1496478	1531	8503 <b>5</b> 22	15
46 47 48 49 50	5264613 5267085 5269558 5272030 5274502	2472 2473 2472 2472 2472 2471	4735387 4732915 4730442 4727970 4725498	5473588 5476386 5479184 5481982 5484780	9731790 9729249 9726708 9724166 9721624	1498009 1499541 1501073 1502606 1504140	1532 1532 1533 1534 1535	8501991 8500459 8498927 8497394 8495860	14 13 12 11 10
51	5276973	2470	4723027	5487577	9719082	1505675	1535	8494325	9
52	5279443	2471	4720557	5490374	9716540	1507210	1536	8492790	8
53	5281914	2469	4718086	5493171	9713997	1508746	1537	8491254	7
54	5284383	2470	4715617	5495968	9711454	1510283	1538	8489717	6
55	5286853	2469	4713147	5498765	9708911	1511821	1538	8488179	5
56 57 58 59 60	5289322 5291790 5294258 5296726 5299193	2468 2468 2468 2467	4710678 4708210 4705742 4703274 4700807	5501562 5504358 5507154 5509951 5512748	9706368 9703824 9701280 9698736 9696192	1513359 1514898 1516438 1517978 1519519	1539 1540 1540 1541	8486641 8485102 8483562 8482022 8480481	4 3 2 1 0
	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
1									

0	Sine 5299193	Diff.	Covers. 4700807	Chord 5512748	9696192	Vers. 1519519	Diff.	Cosine 8480481	60
ĭ	5301659	2466	4698341	5515544	9693648	1521061	1542	8478939	58
2	5304125	2466 2466	4695875	5518340	9691104	1522603	1542 1544	8477397	58
3	5306591	2466	4693409	5521135	9688559	1524147	1544	8475853	57
4	5309057	2464	4690943	5523930	9686014	1525691	1544	8474309	56
5	5311521	2465	4688479	5526726	9683469	1527235	1546	8472765	55
6 7	5313986 5316450	2464	4686014 4683550	5529522 5532317	9680924 9678378	1528781 1530327	1546	8471219 8469673	54
8	5318913	2463	4681087	5535112	9675832	1531874	1547	8468126	52
9	5321376	2463	4678624	5537908	9673286	1533421	1547	8466579	51
0	5323839	2463 2462	4676161	5540704	9670740	1534970	1549 1549	8465030	50
1	5326301	2462	4673699	5543499	9668194	1536519	1549	8463481	49
2	5328763	2461	4671237	5546294	9665648	1538068	1551	8461932	48
3	5331224	2461	4668776	5549088	9663101	1539619	1551	8460381 8458830	47
4	5333685 5336145	2460	4666315 4663855	5551882 5554677	9660554 9658007	1541170 1542722	1552	8457278	45
6		2460	4661395	5557472	9655460	1544274	1552	8455726	4
7	5338605 5341065	2460	4658935	5560266	9652912	1545828	1554	8454172	4:
8	5343523	2458	4656477	5563060	9650364	1547382	1554 1554	8452618	45
19	5345982	2459 2458	4654018	5565854	9647816	1548936	1556	8451064	4
20	5348440	2458	4651560	5568648	9645268	1550492	1556	8449508	4
21	5350898	2457	4649102	5571442	9642720	1552048	1557	8447952	3
22	5353355	2457	4646645	5574236	9640172	1553605	1557	8446395	3
23	5355812 5358268	2456	4644188 4641732	5577029 5579822	9637623 9635074	1555162 1556721	1559	8444838 8443279	3
25	5360724	2456	4639276	5582615	9632524	1558280	1559 1559	8441720	3
26	5363179	2455	4636821	5585408	9629974	1559839		8440161	3
27	5365634	2455	4634366	5588201	9627425	1561400	1561 1561	8438600	3
28	5368089	2455 2454	4631911	5590994	9624876	1562961	1562	8437039	3
29	5370543 5372996	2453	4629457 4627004	5593787 5596580	9622326 9619776	1564523 1566086	1563	8435477 8433914	3
		2453			9617225		1563		2
31	5375449 5377902	2453	4624551 4622098	5599373 5602166	9614674	1567649 1569213	1564	8432351 8430787	2
33	5380354	2452	4619646	5604958	9612123	1570778	1565 1565	8429222	2
34	5382806	2452 2451	4617194	5607750	9609572	1572343	1566	8427657	2
35	5385257	2451	4614743	5610542	9607021	1573909	1567	8426091	2
36	5387708	2450	4612292	5613334	9604470	1575476	1568	8424524	2
37	5390158	2450	4609842	5616126	9601918	1577044	1568	8422956	2
38	5392608 5395058	2450	4607392 4604942	5618918 5621710	9599366 9596814	1578612 1580181	1569	8421388 8419819	2 2
10	5397507	2449	4602493	5624502	9594262	1581751	1570 1570	8418249	2
11	5399955	2448	4600045	5627293	9591710	1583321		8416679	1
12	5402403	2448	4597597	5630084	9589158	1584892	1571 1572	8415108	li
43	5404851	2448 2447	4595149	5632875	9586605	1586464	1573	8413536	1
44 45	5407298 5409745	2447	4592702 4590255	5635666 5638457	9584052 9581498	1588037 1589610	1573	8411963 8410390	1
		2446			1		1574		
46 47	541219 <b>1</b> 5414637	2446	4587809 4585363	5641248 5644039	9578944 9576391	1591184 1592759	1575	8408816 8407241	1
18	5417082	2445	4582918	5646830	9573838	1594334	1575	8405666	1
49	5419527	2445 2444	4580473	5649620	9571283	1595910	1576 1577	8404090	1
50	5421971	2444	4578029	5652410	9568728	1597487	1577	8402513	1
51	5424415	2444	4575585	5655200	9566174	1599064	1579	8400936	
52	5426859	2443	4573141	5657990	9563620	1600643	1579	8399357	
53 54	5429302 5431744	2442	4570698 4568256	5660780 5663570	9561065 9558510	1602222 1603801	1579	8397778 8396199	
55	5434187	2443	4565813	5666360	9555955	1605382	1581 1581	8394618	
56	5436628	2441	4563372	5669150	9553400	1606963		8393037	
57	5439069	2441	4560931	5671939	9550844	1608545	1582 1582	8391455	
58	5441510	2441 2441	4558490	5674728	9548288	1610127	1583	8389873	
59 60	5443951 5446390	2439	4556049 4553610	567751 <b>7</b> 5680306	9545732 9543176	1611710 1613294	1584	8388290 8386706	
00	9440990		4000010	0000000	8040170	1010284		0000100	1
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

'	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	'
0	5446390	9440	4553610	5680306	9543176	1613294	7505	8386706	60
1 1	5448830	2440 2439	4551170	5683095	9540619	1614879	1585 1585	8385121	59
2	5451269	2438	4548731	5685884	9538062	1616464	1586	8383536	58
3	5453707	2438	4546293	5688673	9535505	1618050	1587	8381950	57
4	5456145	2438	4543855	5691462	9532948	1619637	1588	8380363	56
5	5458583	2437	4541417	5694251	9530391	1621225	1588	8378775	55
6	5461020	2436	4538980	5697040	9527834 9525276	1622813	1589	8377187	54
8	5463456 5465892	2436	4536544 4534108	5699828 5702616	9525276	1624402 1625991	1589	8375598 8374009	53 52
9	5468328	2436	4531672	5705404	9520160	1627582	1591	8372418	51
10	5470763	2435 2435	4529237	5708192	9517602	1629173	1591	8370827	50
11	5473198		4526802	5710980	9515043	1630764	1591	8369236	49
12	5475632	2434 2434	4524368	5713768	9512484	1632357	1593	8367643	48
13	5478066	2434	4521934	5716555	9509925	1633950	1593 1594	8366050	47
14	5480499	2433	4519501	5719342	9507366	1635544	1594	8364456	46
15	5482932	2433	4517068	5722129	9504807	1637138	1596	8362862	45
16	5485365	2432	4514635	5724916	9502248	1638734	1596	8361266	44
17	5487797	2431	4512203	5727704	9499688	1640330	1596	8359670	43
18	5490228	2431	4509772 4507341	5730492	9497128	1641926 1643524	1598	8358074 8356476	42
19 20	5492659 5495090	2431	4504910	5733278 5736064	9494568 9492008	1645122	1598	8354878	40
		2430					1599		
21 22	5497520 5499950	2430	4502480 4500050	- 5738851 5741690	9489447	1646721 1648320	1599	8353279 8351680	39
23	5502379	2429	4497621	5741638 5744424	9486886 9484325	1649920	1600	8350080	37
24	5504807	2428	4495193	5747210	9481764	1651521	1601	8348479	36
25	5507236	2429 2427	4492764	5749996	9479203	1653123	1602	8346877	35
26	5509663		4490337	5752782	9476642	1654725	1602	8345275	34
27	5512091	2428	4487909	5755568	9474080	1656328	1603	8343672	33
28	5514518	2427 2426	4485482	5758354	9471518	1657932	1604	8342068	32
29	5516944	2426	4483056	5761140	9468956	1659537	1605 1605	8340463	31
30	5519370	2425	4480630	5763926	9466394	1661142	1606	8338858	30
31	5521795	2425	4478205	5766711	9463831	1662748	1606	8337252	29
32	5524220	2425	4475780	5769496	9461268	1664354	1608	8335646	28
33	5526645	2424	4473355	5772281	9458705	1665962	1608	8334038 8332430	27 26
34 35	5529069 5531492	2423	4470931 4468508	5775066 5777851	9456142 9453579	1667570 1669178	1608	8330822	25
1		2423					1610		24
36	5533915 5536338	2423	4466085 4463662	5780636 5783421	9451016	1670788	1610	8329212 8327602	23
37 38	5538760	2422	4461240	5786206	9448452 9445888	1672398 1674009	1611	8325991	22
39	5541182	2422	4458818	5788990	9443324	1675620	1611	8324380	21
40	5543603	2421 2421	4456397	5791774	9440760	1677232	1612 1613	8322768	20
41	5546024		4453976	5794558	9438195	1678845		8321155	19
42	5548444	2420 2420	4451556	5797342	9435630	1680459	1614	8319541	18
43	5550864	2420	4449136	5800126	9433065	1682073	1614 1615	8317927	17
44	5553283	2419	4446717	5802910	9430500	1683688	1616	8316312	16
45	5555702	2419	4444298	5805694	9427935	1685304	1616	8314696	15
46	5558121	2418	4441879	5808478	9425370	1686920	1617	8313080	14
47	5560539	2417	4439461	5811261	9422804	1688537	1618	8311463	13
48	5562956	2417	4437044	5814044	9420238	1690155	1619	8309845	12
50	5565373 5567790	2417	4434627 4432210	5816827 5819610	9417672 9415106	1691774 1693393	1619	8308226 8306607	11 10
1	5570206	2416		,			1620		
51 52	5572621	2415	4429794 4427379	5822393 5825176	9412539 9409972	1695013 1696634	1621	8304987 8303366	9
53	5575036	2415	4421319	5827959	9407405	1698255	1621	8301745	7
54	5577451	2415 2414	4422549	5830742	9404838	1699877	1622 1623	8300123	8 7 6
55	5579865	2414	4420135	5833524	9402271	1701500	1623	8298500	5
56	5582279	2413	4417721	5836306	9399704	1703123	1625	8296877	4
57	5584692	2413	4415308	5839088	9397136	1704748	1624	8295252	4 3 2 1
58	5587105	2412	4412895	5841870	9394568	1706372	1626	8293628	2
59 60	5589517 5591929	2412	4410483 4408071	5844652 5847434	9392000 9389432	1707998 1709624	1626	8292002 8290376	0
90	0001828		11000/1	0021404	8008402	1709024		0480010	0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
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′	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	'
0	5591929	0.444	4408071	5847434	9389432	1709624	1.00#	8290376	60
	5594340	2411	4405660	5850216	9386863	1711251	1627	8288749	59
1 2	5596751	2411	4403249	5852998	9384294	1712879	1628	8287121	58
3	5599162	2411	4400838	5855779	9381725	1714507	1628	8285493	57
4	5601572	2410 2409	4398428	5858560	9379156	1716136	1629 1630	8283864	56
5	5603981	2409	4396019	5861341	9376587	1717766	1631	8282234	55
6	5606390	2408	4393610	5864122	9374018	1719397	1631	8280603	54
7	5608798	2408	4391202	5866903	9371448	1721028	1632	8278972	53
8	5611206	2408	4388794	5869684	9368878	1722660	1632	8277340	52
9	5613614 5616021	2407 2407	4386386 4383979	5872465 5875246	9366308 9363738	1724292 1725926	1634 1634	8275708 8274074	51 50
11	5618428		4381572	5878026	9361167	1727560		8272440	49
12	5620834	2406	4379166	5880806	9358596	1729194	1634	8270806	48
13	5623239	2405	4376761	5883586	9356025	1730830	1636	8269170	47
14	5625645	2406	4374355	5886366	9353454	1732466	1636 1637	8267534	46
15	5628049	2404 2404	4371951	5889146	9350883	1734103	1637	8265897	45
16	5630453	2404	4369547	5891926	9348312	1735740	1638	8264260	44
17	5632857	2404	4367143	5894706	9345740	1737378	1639	8262622	43
18	5635260	2403	4364740	5897486	9343168	1739017	1640	8260983	42
19	5637663	2403	4362337	5900265	9340596	1740657	1640	8259343	41
20	5640066	2401	4359934	5903044	9338024	1742297	1641	8257703	40
21	5642467	2402	4357533	5905824	9335451	1743938	1642	8256062	39
22	5644869	2401	4355131 4352730	5908604	9332878 9330305	1745580	1642	8254420 8252778	38
23	5647270 5649670	2400	4350330	5911383 5914162	9330305	1747222 1748865	1643	8252778 8251135	36
25	5652070	2400	4347930	5916940	9325159	1750509	1644	8249491	35
26	5654469	2399	4345531	5919718	9322586	1752153	1644	8247847	34
27	5656868	2399	4343132	5922497	9320012	1753798	1645	8246202	33
28	5659267	2399	4340733	5925276	9317438	1755444	1646	8244556	32
29	5661665	2398 2397	4338335	5928054	9314864	1757091	1647 1647	8242909	31
30	5664062	2397	4335938	5930832	9312290	1758738	1648	8241262	30
31	5666459	2397	4333541	5933610	9309716	1760386	1649	8239614	29
32	5668856	2396	4331144	5936388	9307142	1762035	1649	8237965	28
33	5671252	2396	4328748	5939165	9304567	1763684	1650	8236316	27
34	5673648	2395	4326352	5941942	9301992	1765334	1651	8234666	26
35	5676043	2394	4323957	5944720	9299416	1766985	1651	8233015	25
36	5678437	2395	4321563	5947498	9296840	1768636	1652	8231364	24
37	5680832	2393	4319168	5950275	9294265	1770288	1653	8229712	23
38	5683225	2394	4316775	5953052	9291690	1771941	1654	8228059	22
39 40	5685619 5688011	2392	4314381 4311989	5955829 5958606	9289114 9286538	1773595 1775249	1654	8226405 8224751	21 20
41	5690403	2392	4309597	5961382	9283961	1776904	1655	8223096	19
42	5692795	2392	4307205	5964158	9281384	1778560	1656	8221440	18
43	5695187	2392	4304813	5966935	9278807	1780216	1656	8219784	17
44	5697577	2390	4302423	5969712	9276230	1781873	1657	8218127	16
45	5699968	2391 2389	4300032	5972488	9273653	1783531	1658 1658	8216469	15
46	5702357	2390	4297643	5975264	9271076	1785189	1659	8214811	14
47	5704747	2389	4295253	5978040	9268498	1786848	1660	8213152	13
48	5707136	2388	4292864	5980816	9265920	1788508	1660	8211492	12
49	5709524	2388	4290476	5983592	9263342	1790168	1662	8209832	11
50	5711912	2387	4288088	5986368	9260764	1791830	1661	8208170	10
51	5714299	2387	4285701	5989143	9258186	1793491	1663	8206509	9
52	5716686 5719073	2387	4283314 4280927	5991918 5994693	9255608 9253029	1795154 1796817	1663	8204846 8203183	8 7
54	5721459	2386	4280927	5997468	9253029	1790817	1664	8203183	6
55	5723844	2385	4276156	6000243	9247871	1800146	1665	8199854	5
56	5726229	2385	4273771	6003018	9245292	1801811	1665	8198189	4
57	5728614	2385	4271386	6005793	9242712	1803477	1666	8196523	3
58	5730998	2384	4269002	6008568	9240132	1805144	1667	8194856	2
59	5733381	2383	4266619	6011342	9237552	1806811	1667	8193189	1
60	5735764	2383	4264236	6014116	9234972	1808480	1669	8191520	0
1,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	
	1	~	10227	- Onord	Onord	0010131	271110	MILLO	
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v         Sine         Diff.         Covers.         Chord         Co-chord         Vers.         Diff.         Cosine           0         5735764         2833         498498         6014116         9234072         1808480         1608         8191520           1         5778147         2832         4254708         6016800         9223292         1810148         1673         8185182           3         5742911         2834         4257096         602512         929512         18116150         6173         8185182         185512           5         5754051         2838         4254708         602512         9224650         1816150         1673         8185120           6         5750053         2879         4247688         6027686         9222060         1816510         1673         8183180           6         5752100         2379         4247688         6035333         9219800         1830176         1673         8174321           10         5752100         2373         4294132         6044855         920678         1826510         1673         8174301           11         5761946         23277         4225504         6044855         920678         182657 <th></th> <th>so Deg.</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>		so Deg.								
1         6738147         2283         426153         6010800         9229292         1810148         1003         8189882           2         674692         2283         42567089         6022428         9227231         1811818         1070         8188182           5         6747672         2283         4256708         6025212         9224050         1816159         1072         8184842           6         675002         2281         4256288         6025212         9224050         1816159         1072         8184841           7         6757482         2379         4247688         6035533         -9216006         1820176         1673         8174819           9         6757190         2379         4245010         6080070         9211472         18221894         1675         8174801           10         6756968         2378         4240432         6041852         920678         1826515         1676         8173481           11         5761946         2377         4228064         6044625         920678         1825199         1676         8174801           12         5761948         2373         420077         606176         1825301         1676         81744	,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
4         6745292         2381         4254708         6025212         9224650         1816159         1672         8184841           5         6747672         2382         627968         6027960         9224650         1816159         1672         8181407           7         6752432         2379         4247668         6035353         9216906         1820176         1673         8174924           8         6754811         2379         424519         6030306         9216906         1820176         1673         8174924           10         6757180         2378         424210         6030307         9211742         1823524         1675         8176476         8176476           11         5761946         2377         4235064         6044625         900678         1826875         1676         8174801           12         5764232         2377         4235076         6043939         900996         1825675         1676         8174801           13         5766700         2376         4239004         605249         908086         1825675         1676         817491           14         5769076         2376         4223548         6058715         919483         91816	1 2	5738147 5740529	2382 2382	4261853 4259471	6016890 6019664	9232392 9229812	1810148 1811818	1670 1670	8189852 8188182	60 59 58 57
7         5752432         2379         4247668         6036308         -9216906         1820176         1673         8179824           8         6757180         2379         424510         60360079         9211742         1821849         1673         8178151           10         6755068         2378         4240432         6041852         9206678         1825524         1675         8174501           11         6761946         2377         4238054         6044625         9206578         18258561         1676         8173125           12         6764923         2377         423800         6060170         9201413         1830225         1675         8171449           16         6776492         2376         4228048         6055715         190247         1835584         1680         3164726           16         67773827         2374         4225484         6055715         190247         183584         1680         3164726           17         6778507         2374         422140         6064020         9191080         1830944         1680         8160756           18         6778567         2374         421306         6064020         911080         1830844 <t< td=""><td>5</td><td>5745292 5747672</td><td>2380</td><td>4254708 4252328</td><td>6025212 6027986</td><td>9224650 9222069</td><td>1815159 1816831</td><td>1672</td><td>8184841 8183169</td><td>56 55</td></t<>	5	5745292 5747672	2380	4254708 4252328	6025212 6027986	9224650 9222069	1815159 1816831	1672	8184841 8183169	56 55
11	9	5752432 5754811	2379 2379	4247568 4245189	6033533 6036306	·9216906 9214324	1820176 1821849 1823524	1673 1675	8179824 8178151 8176476	54 53 52 51
13	11	5761946	2378	4238054	6044625	9206578	1826875	1676	8173125	50 49 48
16	13 14	5766700 5769076	2376 2376	4233300 4230924	6050170 6052942	9201413 9198830	1830228 1831906	1678 1678	8169772 8168094	47 46 45
21         5785006         2373         4214304         6072347         9180745         1843870         1683         8156330           22         5783069         2371         4209500         6077890         9175576         1847087         1684         8152963           24         5792812         2371         4204517         6086002         9172992         1848722         1685         8152963           26         5797553         2370         420447         6086204         9167820         1852094         1849593           27         5799923         2309         4197708         6091744         9167820         1852094         1849503           28         5802292         2369         4197708         6091744         9162653         1853780         1688         8144522           29         5804661         2360         4192970         6007286         9157478         1858845         1689         814155           31         5809397         2368         4189033         6109356         9154971         1863225         1691         8137775           33         5811765         2368         4185636         6102823         9152906         1867229         1693         814195	17 18 19	5776202 5778576 5780950	2375 2374 2374 2373	4223798 4221424 4219050	6061260 6064032 6066804	9191080 9188496 9185913	1836944 1838624 1840305	1680 1681 1682	8163056 8161376 8159695	44 43 42 41 40
26         5797553         2370         4202447         6086204         9167820         1852094         1868         8147906           27         5799923         2309         4917708         6091744         9165235         1858780         1688         81446220           29         5894661         2369         4197708         6091744         9167820         1858780         1688         8144522           30         5807030         2369         4192970         6097286         9157478         1858845         1689         8141155           31         5809397         2368         4190603         6100386         9152306         1862225         1691         8139466           32         5811765         2368         4185863         6105866         9152306         1862225         1691         8139775           33         5814132         2366         4185302         6163366         9147132         1865916         1691         81347908           34         581493         2366         4185136         6111186         9144954         1867299         1693         8132701           36         5821230         2365         417670         6113906         9141958         1868992	22 23 24	5788069 5790440 5792812	2373 2371 2372 2371	4211931 4209560 4207188	6075118 6077890 6080662	9178160 9175576 9172992	1845353 1847037 1848722	1683 1684 1685 1685	8154647 8152963 8151278	39 38 37 36 35
31         5809397         2368         4190603         6100056         9154382         18691         8139466           32         5811765         2368         4188235         6102826         9152306         1862225         1691         8137775           33         5814432         2366         4183502         6108366         9147132         1865607         1692         8134393           35         5818864         2366         4181136         6111136         91447132         1865607         1692         8134393           36         5821230         2365         4176405         6116676         9139871         1876986         1694         8131008           37         5823595         2364         4176405         6116676         9139871         1870892         1694         812902           40         5830837         2364         4176405         6116676         9139871         1870892         1694         812902           41         5830857         2363         4169313         6124984         9131608         1875771         1696         8124229           42         5836412         2362         4164588         6130522         9124432         1879165         1697	26 27 28 29	5797553 5799923 5802292 5804661	2370 2369 2369 2369	4202447 4200077 4197708 4195339	6086204 6088974 6091744 6094515	9167820 9165235 9162650 9160064	1852094 1853780 1855468 1857156	1686 1688 1688 1689	8147906 8146220 8144532 8142844	34 33 32 31 30
35         5818864         2306         4181136         6111136         9144545         1867299         1693         8132701           36         5821230         2365         4176405         6116676         9139371         1870868         1694         8129314           38         5825969         2364         4174041         6119446         9136784         1872380         1694         8127020           39         5828323         2364         4171677         6122215         9134196         1874075         1696         8127620           40         5830687         2363         4169313         6124984         9131608         1876775         1696         8125295           41         5833050         2362         4166550         6127753         9129020         1877468         1697         8122532           42         5835412         2362         4164588         6130522         9126432         1879165         1698         8119137           44         5840136         2361         4159864         6138060         9121254         1882561         1699         8117439           45         5842497         2360         4157603         6138823         9116076         1885960	31 32 33	5809397 5811765 5814132	2368 2367	4190603 4188235 4185868	6100056 6102826 6105596	9154892 9152306 9149719	1860534 1862225 1863916	1691 1691	8139466 8137775 8136084	29 28 27 26
37         5823595         2364         4176405         6116676         9139371         1876968         1694         8129314           38         5825959         2364         4171677         6122215         9134196         1874975         1696         8127925           40         6830687         2363         4169513         6124984         9131008         1876771         1696         8125925           41         5833050         2362         416658         6123052         9129020         1877463         1697         8124229           42         6833412         2362         416986         6133291         9129343         1890663         1698         8117439           43         5837774         2362         4169864         6133291         9123843         1890663         1698         8117439           45         5842497         2360         4157603         6138823         9118665         1884260         1698         8117439           46         5844857         2360         4155143         6141596         9116076         1885960         1700         8115740           47         5847217         2360         4152783         6144364         9113487         1837661	35	5818864	2366	4181136	6111136	9144545	1867299	1693	8132701	25 24
41         5833050         2362         4166950         6127753         9129020         1877468         1697         8122632           42         5835412         2362         4164588         6130522         912432         1879165         1698         8119137           43         5837774         2362         4162226         6133291         9123843         1880863         1698         8119137           44         5840136         2361         415984         6136060         9121224         1882261         1699         8117439           46         5844857         2360         4155143         6141596         9116076         1885960         1700         8115740           47         5847217         2360         4156143         6144364         91149487         1887661         1701         8112339           49         5851936         2359         41450423         6147132         9110978         18992766         1702         8106384           50         5854294         2358         4145706         6152668         9105718         1892766         1702         8107234           51         5856652         2358         4143040         615268         9105718         1894470	38 39	5825959 5828323	2364 2364 2364	4176405 4174041 4171677	6116676 6119446 6122215	9139371 9136784 9134196	1870686 1872380 1874075	1694 1695 1696	8127620 8125925	23 22 21 20
46 5844857 2360 4155143 6141596 9116076 1885060 1701 811430 47 5847217 2360 4152783 6144364 9113487 1887661 1701 8112339 48 5849577 2359 4150423 6147132 9110898 1889362 1702 810638 49 5851936 2358 4148064 6149900 9108308 1889366 1702 810638 50 5854294 2355 4145706 6152668 9105718 1892766 1702 8107234 51 5856652 2358 4145706 6152668 9105718 1892766 1704 8107234 52 5859010 2357 4188633 6160971 910538 1896174 1704 8105836 53 5861367 2357 4188633 6160971 907948 189787 54 5868724 2356 4133920 6166505 9092767 1901290 1706 8098710 55 58668080 2355 4131565 6169272 9090176 1902296 1708 8098710 56 5868435 2355 4181565 6169272 9090176 1902290 1708 8098710 57 5870790 2355 4129210 6172039 9087585 1904704 1708 8095296 58 5875499 2354 4126555 6174806 9084994 1906412 1709 809588 59 5875499 8054 4124501 6177573 9082402 1908121 1709 809588	42 43 44	5835412 5837774 5840136	2362 2362 2362	4164588 4162226 4159864	6130522 6133291 6136060	9126432 9123843 9121254	1879165 1880863 1882561	1697 1698 1698	8120835 8119137 8117439	19 18 17 16
49         5851936         2359         4148064         6149900         9108308         1891064         1702         8108936           50         5854294         2358         4145706         6152668         9105718         1892766         1704         8107234           51         5856652         2358         4143348         6155436         9103128         1894470         1704         8105530           52         5859010         2357         4149090         6158204         9100538         1896174         1704         8103226           53         5861367         2357         4138633         6160971         9097948         1897878         1706         8102122           54         5863724         2356         4138276         6163738         9095358         1899584         1706         810416           55         5866080         2355         4131565         6169272         9090176         1902996         1708         8095296           57         5870790         2355         4129210         6172039         9087585         1904704         1708         8095296           58         5873145         2354         41284501         6177503         9084994         1906412	46 47	5844857 5847217	2360 2360 2360	4155143 4152783	6141596 6144364	9116076 9113487	1885960 1887661	1700 1701 1701	8114040 8112339	15 14 13 12
52         5859010         2385         4140990         6158204         9100588         1896174         1704         8103826           53         5861367         2357         4138633         6160971         9097948         1897878         1706         8102122           54         5863724         2356         4136276         6163738         9095358         1896584         1706         8100416           55         5866080         2355         4131565         6169272         9090176         1901290         1708         809704           57         5870790         2355         4129210         6172039         9087585         1904704         1708         8095296           58         5873145         2354         4128555         6174806         908494         1906412         1709         8093588           59         5875499         2054         4124501         6177573         9082402         1908117         1709         8091879	49 50	5851936 5854294	2358	4148064 4145706	6149900	9108308 9105718	1891064 1892766	1702	8108936 8107234	11 10
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	52 53	5859010 5861367	2357	4140990 4138633	6158204 6160971	9100538 9097948	1896174 1897878	1704	8103826 8102122	9 8 7 6
57         5870790         2355         4129210         6172039         9087585         1904704         1708         8095296           58         5873145         2355         4128855         6174806         9084994         1906412         1708         8093588           59         5875499         9054         4124501         6177573         9082402         1908121         1709         8091879	55	5863724 5866080	2356	4136276 4133920	6163738 6166505	9095358 9092767	1899584 1901290	1706	8098710	5
60 5877853 4122147 6180340 9079810 1909830 1709 8090170	57 58 59	5870790 5873145 5875499	2355 2354	4129210 4126855 4124501	6172039 6174806 6177573	9087585 9084994 9082402	1904704 1906412 1908121	1708 1709	8095296 8093588 8091879	4 3 2 1 0
Cosine Diff. Vers. Co-chord Chord Covers. Diff. Sine					6180340					0

1	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	5877853		4122147	6180340	9079810	1909830		8090170	60
1	5880206	2353	4119794	6183106	9077218	1911540	1710	8088460	59
2	5882558	2352	4117442	6185872	9074626	1913251	1711	8086749	58
3	5884910	2352	4115090	6188638	9072034	1914963	1712	8085037	57
4	5887262	2352	4112738	6191404	9069442	1916675	1712	8083325	56
5	5889613	2351	4110387	6194170	9066849	1918388	1713	8081612	55
		2351					1713		
6	5891964	2350	4108036	6196936	9064256	1920101	1714	8079899	54
7	5894314	2349	4105686	6199702	9061663	1921815	1715	8078185	53
8	5896663	2349	4103337	6202468	9059070	1923530	1716	8076470	52
9	5899012	2349	4100988	6205233	9056476	1925246	1716	8074754	51
10	5901361	2348	4098639	6207998	9053882	1926962	1717	8073038	50
11	5903709		4096291	6210763	9051288	1928679		8071321	49
12	5906057	2348	4093943	6213528	9048694	1930397	1718	8069603	48
13	5908404	2347	4091596	6216293	9046100	1932115	1718	8067885	47
14	5910750	2346	4089250	6219058	9043506	1933834	1719	8066166	46
15	5913096	2346	4086904	6221823	9040911	1935554	1720	8064446	45
		2346					1720		1
16	5915442	2345	4084558	6224588	9038316	1937274	1721	8062726	44
17	5917787	2345	4082213	6227352	9035721	1938995	1722	8061005	43
18	5920132	2344	4079868	6230116	9033126	1940717	1723	8059283	42
19	5922476	2343	4077524	6232880	9030530	1942440	1723	8057560	41
20	5924819	2344	4075181	6235644	9027934	1944163	1724	8055837	40
21	5927163		4072837	6238408	9025339	1945887		8054113	39
22	5929505	2342	4070495	6241172	9022744	1947611	1724	8052389	38
23	5931847	2342	4068153	6243935	9020147	1949336	1725	8050664	37
24	5934189	2342	4065811	6246698	9017550	1951062	1726	8048938	36
25	5936530	2341	4063470	6249461	9014954	1952789	1727	8047211	35
1		2341					1727		1
26	5938871	2340	4061129	6252224	9012358	1954516	1728	8045484	34
27	5941211	2339	4058789	6254987	9009761	1956244	1728	8043756	33
28	5943550		4056450	6257750	9007164	1957972	1700	8042028	32
29	5945889	2339	4054111	6260513	9004566	1959701	1729	8040299	31
30	5948228	2339	4051772	6263276	9001968	1961431	1730 1731	8038569	30
31	5950566	2338				1000100	1/31		000
32	5952904	2338	4049434	6266038	8999371	1963162	1731	8036838	29
33		2337	4047096	6268800	8996774	1964893	1732	8035107	28
34	5955241	2336	4044759	6271563	8994176	1966625	1733	8033375	27
35	5957577	2336	4042423	6274326	8991578	1968358	1733	8031642	26
	5959913	2336	4040087	6277088	8988979	1970091	1734	8029909	25
36	5962249		4037751	6279850	8986380	1971825		8028175	24
37	5964584	2335	4035416	6282611	8983781	1973560	1735	8026440	23
38	5966918	2334	4033082	6285372	8981182	1975295	1735	8024705	22
39	5969252	2334	4030748	6288134	8978583	1977031	1736 1737	8022969	21
40	5971586	2334	4028414	6290896	8975984	1978768	1737	8021232	20
41		2333					1737		
42	5973919	2332	4026081	6293657	8973384	1980505	1739	8019495	19
42	5976251	2332	4023749	6296418	8970784	1982244	1738	8017756	18
	5978583	2332	4021417	6299178	8968184	1983982	1740	8016018	17
44 45	5980915	2331	4019085	6301938	8965584	1985722	1740	8014278	16
40	5983246	2331	4016754	6304699	8962984	1987462	1741	8012538	15
46	5985577		4014423	6307460	8960384	1989203		8010797	14
47	5987906	2329	4012094	6310220	8957783	1990944	1741	8009056	13
48	5990236	2330	4009764	6312980	8955182	1992686	1742	8007314	19
49	5992565	2329	4007435	6315740	8952581	1994429	1743	8005571	17
50	5994893	2328	4005107	6318500	8949980	1996173	1744	8003827	10
		2328					1744		
51	5997221	2328	4002779	6321260	8947378	1997917	1745	8002083	1 8
52	5999549	2327	4000451	6324020	8944776	1999662	1745	8000338	1 8
53	6001876	2326	3998124	6326780	8942174	2001407	1746	7998593	1
54	6004202	2326	3995798	6329540	8939572	2003153	1747	7996847	
55	6006528	2326	3993472	6332299	8936970	2004900	1748	7995100	1
56	6008854		3991146	6335058	8934368	2006648		7993352	
57	6011179	2325	3988821	6337817	8931765	2000048	1748		
58	6013503	2324	3986497		9090169		1749	7991604	
59	6015827	2324		6340576	8929162 8926559	2010145	1750	7989855	1
	6018150	2323	3984173 3981850	6343335 6346094	8923956	2011895 2013645	1750	7988105	1
60	0010100		2801000	0340094	8923930	2013045		7986355	1
60									
60	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1.

	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	6018150 6020473	2323 2322	3981850 3979527	6346094 6348852	8923956 8921353	2013645 2015396	1751 1751	7986355 7984604	60 59
3 4	6022795 6025117 6027439	2322 2322 2321	3977205 3974883 3972561	6351610 6354368 6357126	8918750 8916146 8913542	2017147 2018900 2020653	1753 1753 1753	7982853 7981100 7979347	58 57 56
5 6 7	6029760 6032080 6034400	2320 2320	3970240 3967920 3965600	6359884 6362642	8910938 8908334	2022406 2024161 2025916	1755 1755	7977594 7975839	55 54 53
8 9 10	6036719 6039038 6041356	2319 2319 2318 2318	3963281 3960962 3958644	6365400 6368158 6370915 6373672	8905729 8903124 8900519 8897914	2025916 2027671 2029428 2031185	1755 1757 1757 1757	7974084 7972329 7970572 7968815	52 51 50
11 12 13 14	6043674 6045991 6048308 6050624	2317 2317 2316 2316	3956326 3954009 3951692 3949376	6376429 6379186 6381943 6384700	8895309 8892704 8890098 8887492	2032942 2034701 2036460 2038220	1759 1759 1760 1760	7967058 7965299 7963540 7961780	49 48 47 46
15 16 17	6052940 6055255 6057570	2315 2315	3947060 3944745 3942430	6387456 6390212 6392969	8884886 8882280 8879674	2039980 2041741 2043503	1761 1762	7960020 7958259 7956497	45 44 43
18 19 20	6059884 6062198 6064511	2314 2314 2313 2313	3940116 3937802 3935489	6395726 6398482 6401238	8877068 8874461 8871854	2045265 2047028 2048792	1762 1763 1764 1764	7954735 7952972 7951208	42 41 40
21 22 23 24	6066824 6069136 6071447 6073758	2312 2311 2311 2311	3933176 3930864 3928553 3926242	6403993 6406748 6409504 6412260	8869246 8866638 8864031 8861424	2050556 2052322 2054087 2055854	1766 1765 1767 1767	7949444 7947678 7945913 7944146	39 38 37 36
25 26 27 28	6076069 6078379 6080689 6082998	2310 2310 2309	3923931 3921621 3919311 3917002	6415015 6417770 6420525 6423280	8858816 8856208 8853600 8850992	2057621 2059389 2061157 2062926	1768 1768 1769 1770	7942379 7940611, 7938843 7937074	35 34 33 32
29 30	6085306 6087614	2308 2308 2308	3914694 3912386	6426035 6428790	8848383 8845774 8843165	2064696 2066467 2068238	1771 1771	7935304 7933533 7931762	31 30 29
31 32 33 34 35	6089922 6092229 6094535 6096841 6099147	2307 2306 2306 2306 2305	3910078 3907771 3905465 3903159 3900853	6431544 6434298 6437052 6439806 6442560	8840556 8837946 8835336 8832727	2070010 2071782 2073555 2075329	1772 1772 1773 1774 1775	7929990 7928218 7926445 7924671	28 27 26 25
36 37 38 39 40	6101452 6103756 6106060 6108363 6110666	2304 2304 2303 2303	3898548 3896244 3893940 3891637 3889334	6445314 6448068 6450822 6453575 6456328	8830118 8827507 8824896 8822286 8819676	2077104 2078879 2080655 2082431 2084208	1775 1776 1776 1777	7922896 7921121 7919345 7917569 7915792	24 23 22 21 20
41 42 43	6112969 6115270 6117572	2303 2301 2302 2301	3887031 3884730 3882428	6459081 6461834 6464587	8817065 8814454 8811842	2085986 2087765 2089544	1778 1779 1779 1780	7914014 7912235 7910456	19 18 17
44 45	6119873 6122173 6124473	2300 2300	3880127 3877827 3875527	6467340 6470092	8809230 8806619 8804008	2091324 2093104 2094885	1780 1781	7908676 7906896 7905115	16 15 14
46 47 48 49 50	6126772 6129071 6131369 6133666	2299 2299 2298 2297	3873228 3873228 3870929 3868631 3866334	6472844 6475596 6478348 6481100 6483852	8801396 8798784 8796171 8793558	2096667 2098450 2100233 2102017	1782 1783 1783 1784 1785	7903133 7901550 7899767 7897983	13 12 11 10
51 52 53 54 55	6135964 6138260 6140556 6142852 6145147	2298 2296 2296 2296 2295 2295	3864036 3861740 3859444 3857148 3854853	6486604 6489356 6492107 6494858 6497609	8790945 8788332 8785719 8783106 8780493	2103802 2105587 2107373 2109159 2110946	1785 1786 1786 1787 1788	7896198 7894413 7892627 7890841 7889054	9 8 7 6 5
56 57 58 59 60	6147442 6149736 6152029 6154322 6156615	2294 2293 2293 2293	3852558 3850264 3847971 3845678 3843385	6500360 6503111 6505862 6508613 6511364	8777880 8775266 8772652 8770037 8767422	2112734 2114523 2116312 2118102 2119892	1789 1789 1790 1790	7887266 7885477 7883688 7881898 7880108	4 3 2 1 0
,	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	,

,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0	6156615	2292	3843385	6511364	8767422	2119892	1792	7880108	60
1	6158907	2291	3841093	6514114	8764808	2121684	1792	7878316	59
2	6161198	2291	3838802	6516864	8762194	2123476	1792	7876524	58
3	6163489	2291	3836511	6519614	8759579	2125268	1793	7874732	57
4	6165780	2289	3834220	6522364	8756964	2127061	1794	7872939	56
5	6168069	2290	3831931	6525114	8754348	2128855	1795	7871145	55
6	6170359	2289	3829641	6527864	8751732	2130650	1795	7869350	54
7	6172648	2288	3827352	6530613	8749117	2132445	1796	7867555	53
8	6174936	2288	3825064	6533362	8746502	2134241	1796	7865759	52
9	6177224	2287	3822776	6536111	8743885	2136037	1798	7863963	51
10	6179511	2287	3820489	6538860	8741268	2137835	1798	7862165	50
11	6181798	2286	3818202	6541609	8738652	2139633	1798	7860367	49
12	6184084	2286	3815916	6544358	8736036	2141431	1799	7858569	48
13	6186370	2285	3813630	6547107	8733419	2143230	1800	7856770	47
14	6188655	2284	3811345	6549856	8730802	2145030	1801	7854970	46
15	6190939	2285	3809061	6552604	8728185	2146831	1801	7853169	45
16	6193224	2283	3806776	6555352	8725568	2148632	1802	7851368	44
17	6195507	2283	3804493	6558100	8722950	2150434	1802	7849566	43
18	6197790	2283	3802210	6560848	8720332	2152236	1803	7847764	42
19	6200073	2282	3799927	6563596	8717714	2154039	1804	7845961	41
20	6202355	2281	3797645	6566344	8715096	2155843	1805	7844157	40
21	6204636	2281	3795364	6569091	8712478	2157648	1805	7842352	39
22	6206917	2281	3793083	6571838	8709860	2159453	1806	7840547	38
23	6209198	2280	3790802	6574585	8707241	2161259	1806	7838741	37
24	6211478	2279	3788522	6577332	8704622	2163065	1808	7836935	36
25	6213757	2279	3786243	6580079	8702003	2164873	1807	7835127	35
26	6216036	2278	3783964	6582826	8699384	2166680	1809	7833320	34
27	6218314	2278	3781686	6585573	8696764	2168489	1809	7831511	33
28	6220592	2278	3779408	6588320	8694144	2170298	1810	7829702	32
29	6222870	2276	3777130	6591066	8691525	2172108	1810	7827892	31
30	6225146	2277	3774854	6593812	8688906	2173918	1812	7826082	30
31	6227423	2275	3772577	6596559	8686285	2175730	1811	7824270	29
32	6229698	2276	3770302	6599306	8683664	2177541	1813	7822459	28
33	6231974	2274	3768026	6602051	8681044	2179354	1813	7820646	27
34	6234248	2274	3765752	6604796	8678424	2181167	1814	7818833	26
35	6236522	2274	3763478	6607542	8675803	2182981	1814	7817019	25
36	6238796	2273	3761204	6610288	8673182	2184795	1815	7815205	24
37	6241069	2273	3758931	6613033	8670561	2186610	1816	7813390	23
38	6243342	2272	3756658	6615778	8667940	2188426	1817	7811574	22
39	6245614	2271	3754386	6618523	8665318	2190243	1817	7809757	21
40	6247885	2271	3752115	6621268	8662696	2192060	1817	7807940	20
41 42 43 44 45	6250156 6252427 6254696 6256966 6259235	2271 2269 2270 2269 2269 2268	3749844 3747573 3745304 3743034 3740765	6624013 6626758 6629502 6632246 6634990	8660074 8657452 8654829 8652206 8649584	2193877 2195696 2197515 2199335 2201155	1819 1819 1820 1820 1821	7806123 7804304 7802485 7800665 7798845	19 18 17 16 15
46	6261503	2268	3738497	6637734	8646962	2202976	1822	7797024	14
47	6263771	2267	3736229	6640478	8644338	2204798	1822	7795202	13
48	6266038	2267	3733962	6643222	8641714	2206620	1823	7793380	12
49	6268305	2266	3731695	6645966	8639091	2208443	1824	7791557	11
50	6270571	2266	3729429	6648710	8636468	2210267	1824	7789733	10
51	6272837	2265	3727163	6651453	8633844	2212091	1825	7787909	9
52	6275102	2264	3724898	6654196	8631220	2213916	1826	7786084	8
53	6277366	2265	3722634	6656939	8628596	2215742	1827	7784258	7
54	6279631	2263	3720369	6659682	8625972	2217569	1827	7782431	6
55	6281894	2263	3718106	6662425	8623347	2219396	1827	7780604	5
56 57 58 59 60	6284157 6286420 6288682 6290943 6293204	2263 2262 2261 2261	3715843 3713580 3711318 3709057 3706796	6665168 6667910 6670652 6673395 6676138	8620722 8618097 8615472 8612847 8610222	2221223 2223051 2224880 2226710 2228540	1828 1829 1830 1830	7778777 7776949 7775120 7773290 7771460	3 2 1 0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	

39 Deg.

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,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	
0	6293204	2260	3706796	6676138	8610222	2228540	1831	7771460	60
1	6295464	2260	3704536	6678879	8607596	2230371	1832	7769629	59
2	6297724	2259	3702276	6681620	8604970	2232203	1832	7767797	58
3	6299983	2259	3700017	6684362	8602344	2234035	1833	7765965	57
4	6302242	2258	3697758	6687104	8599718	2235868	1834	7764132	56
5	6304500	2258	3695500	6689845	8597092	2237702	1834	7762298	55
6	6306758	2257	3693242	6692586	8594466	2239536	1835	7760464	54
7	6309015	2257	3690985	6695327	8591839	2241371	1835	7758629	53
8	6311272	2256	3688728	6698068	8589212	2243206	1837	7756794	52
9	6313528	2256	3686472	6700809	8586585	2245043	1836	7754957	51
10	6315784	2256	3684216	6703550	8583958	2246879	1838	7753121	50
11	6318039	2254	3681961	6706291	8581330	2248717	1838	7751283	49
12	6320293	2254	3679707	6709032	8578702	2250555	1839	7749445	48
13	6322547	2253	3677453	6711772	8576074	2252394	1839	7747606	47
14	6324800	2253	3675200	6714512	8573446	2254233	1841	7745767	46
15	6327053	2253	3672947	6717252	8570818	2256074	1840	7743926	45
16	6329306	2251	3670694	6719992	8568190	2257914	1842	7742086	44
17	6331557	2252	3668443	6722731	8565562	2259756	1842	7740244	43
18	6333809	2250	3666191	6725470	8562934	2261598	1843	7738402	42
19	6336059	2251	3663941	6728210	8560305	2263441	1843	7736559	41
20	6338310	2249	3661690	6730950	8557676	2265284	1844	7734716	40
21	6340559	2249	3659441	6733689	8555046	2267128	1845	7732872	39
22	6342808	2249	3657192	6736428	8552416	2268973	1845	7731027	38
23	6345057	2248	3654943	6739167	8549787	2270818	1846	7729182	37
24	6347305	2248	3652695	6741906	8547158	2272664	1847	7727336	36
25	6349553	2247	3650447	6744644	8544528	2274511	1847	7725489	35
26	6351800	2246	3648200	6747382	8541898	2276358	1848	7723642	34
27	6354046	2246	3645954	6750120	8539267	2278206	1849	7721794	33
28	6356292	2245	3643708	6752858	8536636	2280055	1849	7719945	32
29	6358537	2245	3641463	6755596	8534005	2281904	1850	7718096	31
30	6360782	2244	3639218	6758334	8531374	2283754	1851	7716246	30
31	6363026	2244	3636974	6761072	8528743	2285605	1851	7714395	29
32	6365270	2243	3634730	6763810	8526112	2287456	1852	7712544	28
33	6367513	2243	3632487	6766547	8523481	2289308	1852	7710692	27
34	6369756	2242	3630244	6769284	8520850	2291160	1854	7708840	26
35	6371998	2242	3628002	6772021	8518218	2293014	1854	7706986	25
36	6374240	2241	3625760	6774758	8515586	2294868	1854	7705132	24
37	6376481	2240	3623519	6777495	8512954	2296722	1855	7703278	23
38	6378721	2240	3621279	6780232	8510322	2298577	1856	7701423	22
39	6380961	2240	3619039	6782968	8507689	2300433	1857	7699567	21
40	6383201	2239	3616799	6785704	8505056	2302290	1857	7697710	20
41 42 43 44 45	6385440 6387678 6389916 6392153 6394390	2238 2238 2237 2237 2236	3614560 3612322 3610084 3607847 3605610	6788441 6791178 6793914 6796650 6799385	8502423 8499790 8497157 8494524 8491890	2304147 2306004 2307863 2309722 2311582	1857 1859 1859 1860	7695853 7693996 7692137 7690278 7688418	19 18 17 16 15
46 47 48 49 50	6396626 6398862 6401097 6403332 6405566	2236 2235 2235 2234 2233	3603374 3601138 3598903 3596668 3594434	6802120 6804856 6807592 6810327 6813062	8489256 8486622 8483988 8481354 8478720	2313442 2315303 2317165 2319027 2320890	1860 1861 1862 1862 1863 1864	7686558 7684697 7682835 7680973 7679110	14 13 12 11 10
51 52 53 54 55	6407799 6410032 6412264 6414496 6416728	2233 2232 2232 2232 2232 2230	3592201 3589968 3587736 3585504 3583272	6815796 6818530 6821265 6824000 6826734	8476085 8473450 8470815 8468180 8465545	2322754 2324618 2326483 2328348 2330215	1864 1865 1865 1867 1867	7677246 7675382 7673517 7671652 7669785	9 8 7 6 5
56 57 58 59 60	6418958 6421189 6423418 6425647 6427876	2231 2229 2229 2229	3581042 3578811 3576582 3574353 3572124	6829468 6832202 6834936 6837669 6840402	8462910 8460274 8457638 8455002 8452366	2332082 2333949 2335817 2337686 2339556	1867 1868 1869 1870	7667918 7666051 7664183 7662314 7660444	4 3 2 1 0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1
									-

0 1 1 2 3 4 4 5 6 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	Sine 6427876 6430104 6432332 6434559 6434785 6439011 6441236 64443461 6445635 6447909 6450132 6452255 6454577 6456798 6459019 6461240 6463460 6463460 64636669 6467898 6470116 6472334	Diff.  2228 2228 2227 2226 2226 2225 2224 2223 2223 2222 2221 2221 2221 2221	Covers.  3572124 3569896 3567608 3565441 35683215 3560989 3554315 3552901 3549868 3547645 3545423 3543202 3540081 3538760	Chord 6840402 6843136 6845870 6848903 6851336 6851336 685000 6859533 6852266 6864998 6867730 6870462 6873194 6875926	Co-chord  8452806 8449729 8447092 8444755 8441818 8439181 8439181 843906 8431208 8428354 8428354	Vers.  2339556 2341426 2343296 23445168 2347040 2348913 2350786 2352660 2354535 2356410 2358286	Diff.  1870 1870 1872 1872 1873 1873 1874 1875 1875 1876	Cosine 7660444 7658574 7656704 7654832 7652960 7651087 7649214 7647340 7645465 7643590 7641714	60 59 58 57 56 55 54 53 52 51 50
1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6427876 6430104 6432332 6434559 6439011 6441236 6443461 6445685 6447909 6450132 6452355 645677 6456798 6459019 6461240 6461240 6467898 6470116	2228 2228 2227 2226 2226 2225 2225 2224 2224 2223 2223 2223 2221 2221 2221	3572124 3569896 3567668 3565441 3563215 3560989 3558764 3556539 3554315 3552001 3549868 3547645 3545423 3543202 3540051	6840402 6843136 6845870 6845870 6851336 6854068 6856800 6859533 6862266 6864998 6867730 6870462 6873194	8452806 8449729 8447092 8444455 8441818 8439181 8439644 8433906 8431208 8428630 8425992 8423354	2339556 2341426 2343296 2345168 2347040 2348913 2350786 2352660 2354535 2356410 2358286	1870 1870 1872 1872 1873 1873 1874 1875 1875	7660444 7658574 7656704 7654832 7652960 7651087 7649214 7647340 7645465 7643590	59 58 57 56 55 54 53 52 51
1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6430104 6432332 6434559 64346785 6439011 6441236 6443461 6445035 6447909 6450132 6454577 6456798 6459019 6461240 6465679 6467898 6470116	2228 2227 2226 2226 2225 2224 2224 2223 2223 2222 2221 2221 2221	3569896 3567603 3565441 3563215 3500089 3558764 356539 3554315 3552001 3549868 3547645 3546423 3543202 3540081	6843136 6845870 6848603 6851336 6854068 6856800 6859533 6862266 6864998 6867730 6870462 6873194	8449729 8447092 8444455 84441818 8439181 8436544 8433906 8431268 8428630 8425992 8423354	2341426 2343296 2345168 2347040 2348913 2350786 2352660 2354535 2356410 2358286	1870 1872 1872 1873 1873 1874 1875 1875 1876	7658574 7656704 7654832 7652960 7651087 7649214 7647340 7645465 7643590	59 58 57 56 55 54 53 52 51
2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6432332 6434559 6434559 6439011 6441236 6443461 6445685 6447909 6450132 6452355 6454677 6456798 6459019 6461240 6465679 6467898 6470116	2228 2227 2226 2226 2225 2224 2224 2223 2223 2222 2221 2221 2221	3567668 3565441 3563215 3500989 3558764 3556539 3554315 3552091 3549868 3547645 35456423 354543202 3540081	6845870 6848603 6851336 6854068 6856800 6859533 6862266 6864998 6867730 6870462 6873194	8447092 8444455 8441818 8439181 8436544 8433906 8431268 8428630 8425992 8423354	2343296 2345168 2347040 2348913 2350786 2352660 2354535 2356410 2358286	1870 1872 1872 1873 1873 1874 1875 1875 1876	7656704 7654832 7652960 7651087 7649214 7647340 7645465 7643590	58 57 56 55 54 53 52 51
8 4 5 6 7 8 8 9 10 1.1 1.2 3 1.4 1.5 1.6 1.7 1.8 1.9 20 2.1 2.2 2.3 2.4 2.5 2.6 2.7	6434559 6436785 6436785 6439011 6441236 6443461 645035 6447909 6450132 6452355 6454677 6456798 6459019 6461240 6465679 6467898 6470116	2227 2226 2226 2225 2225 2224 2224 2223 2223 2223 2222 2221 2221	3565441 3563215 3560989 3558764 3556539 3554315 3552091 3540868 3547645 3545423 3543202 3540981	6848603 6851336 6854068 6856800 6859533 6862266 6864998 6867730 6870462 6873194	8444455 8441818 8439181 8436544 8433906 8431268 8428630 8425992 8423354	2345168 2347040 2348913 2350786 2352660 2354535 2356410 2358286	1872 1872 1873 1873 1874 1875 1875 1876	7654832 7652960 7651087 7649214 7647340 7645465 7643590	57 56 55 54 53 52 51
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6436785 6439011 6441236 6443461 6445685 6447909 6450132 645255 6454577 6456798 6459019 6461240 6463460 6465679 6467898 6470116	2226 2225 2225 2224 2224 2223 2223 2223 2222 2221 2221	3563215 3560989 3558764 3556539 3554315 3552091 3549868 3547645 3545423 3543202 3540981	6851336 6854068 6856800 6859533 6862266 6864998 6867730 6870462 6873194	8441818 8439181 8436544 8433906 8431268 8428630 8425992 8423354	2347040 2348913 2350786 2352660 2354535 2356410 2358286	1872 1873 1873 1874 1875 1875 1876	7652960 7651087 7649214 7647340 7645465 7643590	56 55 54 53 52 51
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6439011 6441236 6443461 644585 6447909 6450132 6452355 6454677 6456798 6459019 6461240 6465679 6467898 6479019	2225 2225 2224 2224 2223 2223 2223 2222 2221 2221	3560989 3558764 3556539 3554315 3552091 3549868 3547645 3545423 3543202 3540981	6854068 6856800 6859533 6862266 6864998 6867730 6870462 6873194	8439181 8436544 8433906 8431268 8428630 8425992 8423354	2348913 2350786 2352660 2354535 2356410 2358286	1873 1874 1875 1875 1876	7651087 7649214 7647340 7645465 7643590	55 54 53 52 51
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6441236 6443461 6445635 6447909 6450132 6452355 6454577 6456798 6459019 6461240 6463460 6465679 6467898 6470116	2225 2224 2224 2223 2223 2223 2222 2221 2221	3558764 3556539 3554315 3552091 3549868 3547645 3545423 3543202 3540981	6856800 6859533 6862266 6864998 6867730 6870462 6873194	8436544 8433906 8431268 8428630 8425992 8423354	2350786 2352660 2354535 2356410 2358286	1874 1875 1875 1876	7649214 7647340 7645465 7643590	54 53 52 51
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6443461 6445685 6447909 6450132 6452355 6454577 6456798 6459019 6461240 6463460 6465679 6467898 6470116	2224 2224 2223 2223 2223 2222 2221 2221	3556539 3554315 3552091 3549868 3547645 3545423 3543202 3540981	6859533 6862266 6864998 6867730 6870462 6873194	8433906 8431268 8428630 8425992 8423354	2352660 2354535 2356410 2358286	1875 1875 1876	7647340 7645465 7643590	53 52 51
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6445685 6447909 6450132 6452355 6454577 6456798 6459019 6461240 6463460 6465679 6467898 6470116	2224 2223 2223 2223 2222 2221 2221 2221	3554315 3552091 3549868 3547645 3545423 3543202 3540981	6862266 6864998 6867730 6870462 6873194	8431268 8428630 8425992 8423354	2354535 2356410 2358286	1875 1876	7645465 7643590	52 51
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6447909 6450132 6452355 6454577 6456798 6459019 6461240 6463460 6465679 6467898 6470116	2223 2223 2222 2221 2221 2221 2221 2220 2219	3552091 3549868 3547645 3545423 3543202 3540981	6864998 6867730 6870462 6873194	8428630 8425992 8423354	2356410 2358286	1876	7643590	51
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6452355 6454577 6456798 6459019 6461240 6463460 6465679 6467898 6470116	2223 2222 2221 2221 2221 2221 2220 2219	3547645 3545423 3543202 35409S1	6870462 6873194	8423354			7641714	50
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6454577 6456798 6459019 6461240 6463460 6465679 6467898 6470116	2222 2221 2221 2221 2221 2220 2219	3545423 3543202 3540981	6873194		0000000		IOTTITA	100
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	6456798 6459019 6461240 6463460 6465679 6467898 6470116	2221 2221 2221 2221 2220 2219	3543202 3540981		9490716	2360162		7639838	49
14 15 16 17 18 19 20 21 22 23 24 25 26 27	6459019 6461240 6463460 6465679 6467898 6470116	2221 2221 2220 2219	3540981	6875926	8420716	2362040	1878 1878	7637960	48
15 16 17 18 19 20 21 22 23 24 25 26 27	6461240 6463460 6465679 6467898 6470116	2221 2220 2219			8418077	2363918	1878	7636082	47
16 17 18 19 20 21 22 23 24 25 26 27	6463460 6465679 6467898 6470116	2219	9999100	6878658	8415438	2365796	1879	7634204	46
17 18 19 20 21 22 23 24 25 26 27	6465679 6467898 6470116			6881389	8412799	2367675	1880	7632325	45
18 19 20 21 22 23 24 25 26 27	6467898 6470116		3536540	6884120	8410160	2369555	1881	7630445	44
19 20 21 22 23 24 25 26 27	6470116	2219	3534321 3532102	6886851 6889582	8407521 8404882	2371436	1881	7628564	43
20 21 22 23 24 25 26 27		2218	3529884	6892312	8402242	2373317 2375198	1881	7626683 7624802	42
22 23 24 25 26 27		2218	3527666	6895042	8399602	2377081	1883	7622919	40
22 23 24 25 26 27	6474551	2217	3525449	6897773	8396962	2378964	1883	7621036	39
23 24 25 26 27	6476767	2216	3523233	6900504	8394322	2380848	1884	7619152	38
25 26 27	6478984	2217 2215	3521016	6903234	8391682	2382732	1884	7617268	37
26 27	6481199	2215	3518801	6905964	8389042	2384617	1885 1886	7615383	36
27	6483414	2214	3516586	6908694	8386401	2386503	1886	7613497	35
	6485628	2214	3514372	6911424	8383760	2388389		7611611	34
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28	6490056	2212	3509944	6916882	8378478	2392163	1888	7607837	32
29	6492268 6494480	2212	3507732 3505520	6919612 6922342	8375836 8373194	2394051 2395940	1889	7605949 7604060	31
		2212					1890		
31	6496692 6498903	2211	3503308	6925071 6927800	8370553	2397830	1890	7602170	29
32	6501114	2211	3501097 3498886	6930528	8367912 8365269	2399720 2401611	1891	7600280 7598389	28
34	6503324	2210	3496676	6933256	8362626	2403502	1891	7596498	26
35	6505533	2209 2209	3494467	6935985	8359984	2405394	1892 1893	7594606	25
36	6507742		3492258	6938714	8357342	2407287		7592713	24
37	6509951	2209 2207	3490049	6941442	8354699	2409180	1893	7590820	23
38	6512158	2207	3487842	6944170	8352056	2411074	1894 1895	7588926	22
39	6514366	2206	3485634	6946897	8349413	2412969	1895	7587031	21
40	6516572	2206	3483428	6949624	8346770	2414864	1896	7585136	20
41	6518778	2206	3481222	6952352	8344126	2416760	1897	7583240	19
42	6520984	2205	3479016	6955080	8341482	2418657	1897	7581343	18
43	6523189 6525394	2205	3476811 3474606	6957807 6960534	8338838 8336194	2420554 2422452	1898	7579446 7577548	17
45	6527598	2204	3472402	6963261	8333550	2424350	1898	7575650	16
		2203					1899		
46	6529801 6532004	2203	3470199 3467996	6965988 6968714	8330906 8328261	2426249 2428149	1900	7573751 7571851	14
48	6534206	2202	3465794	6971440	8325616	2430049	1900	7569951	12
49	6536408	2202 2201	3463592	6974167	8322971	2431950	1901 1902	7568050	111
50	6538609	2201	3461391	6976894	8320326	2433852	1902	7566148	10
51	6540810	2200	3459190	6979620	8317680	2435754	1903	7564246	9
52	6543010	2199	3456990	6982346	8315034	2437657	1903	7562343	8
53	6545209	2199	3454791	6985071	8312389	2439561	1904	7560439	7
54 55	6547408 6549607	2199	3452592 3450393	6987796 6990522	8309744 8307098	2441465 2443370	1905	7558535 7556630	6
1		2197					1906		5
56	6551804	2198	3448196	6993248	8304452	2445276	1906	7554724	4
57 58	6554002 6556198	2196	3445998 3443802	6995973 6998698	8301805 8299158	2447182 2449089	1907	7552818 7550911	3 2
59	6558395	2197	3443802	7001423	8296511	2450996	1907	7549004	1
60	6560590	2195	3439410	7004148	8293864	2452904	1908	7547096	o
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1		-							184
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1.

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	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	′
0	6560590	2195	3439410	7004148	8293864	2452904	1909	7547096	60
1	6562785	2195	3437215	7006872	8291217	2454813	1909	7545187	59
2 3	6564980	2194	3435020	7009596	8288570	2456722	1910	7543278	58
4	6567174 6569367	2193	3432826 3430633	7012321 7015046	8285923 8283276	2458632 2460543	1911	7541368 7539457	57 56
5	6571560	2193	3428440	7017769	8280628	2462454	1911	7537546	55
6	6573752	2192	3426248	7020492	8277980	2464366	1912	7535634	54
7	6575944	2192	3424056	7023216	8275332	2466279	1913	7533721	53
8	6578135	2191 2191	3421865	7025940	8272684	2468192	1913 1914	7531808	52
9	6580326	2190	3419674	7028663	8270035	2470106	1914	7529894	51
10	6582516	2190	3417484	7031386	8267386	2472020	1915	7527980	50
11	6584706	2189	3415294	7034109	8264737	2473935	1916	7526065	49
12	6586895 6589083	2188	3413105 3410917	7036832	8262088 8259439	2475851	1916	7524149 7522233	48
14	6591271	2188	3410917	7039555 7042278	8256790	2477767 2479684	1917	7520316	46
15	6593458	2187	3406542	7045001	8254140	2481602	1918	7518398	45
16	6595645	2187	3404355	7047724	8251490	2483520	1918	7516480	44
17	6597831	2186 2186	3402169	7050446	8248841	2485439	1919 1920	7514561	43
18	6600017	2186	3399983	7053168	8246192	2487359	1920	7512641	42
19	6602202	2184	3397798	7055890	8243541	2489279	1921	7510721	41
20	6604386	2184	3395614	7058612	8240890	2491200	1921	7508800	40
21	6606570	2184	3393430	7061333	8238240	2493121	1922	7506879	39
22 23	6608754 6610936	2182	3391246 3389064	7064054	8235590 8232939	2495043 2496966	1923	7504957 7503034	38
24	6613119	2183	3386881	7066775 7069496	8230288	2498889	1923	7503034	36
25	6615300	2181 2182	3384700	7072217	8227636	2500813	1924 1925	7499187	35
26	6617482		3382518	7074938	8224984	2502738		7497262	34
27	6619662	2180 2180	3380338	7077659	8222333	2504663	1925 1926	7495337	33
28	6621842	2180	3378158	7080380	8219682	2506589	1927	7493411	32
29	6624022	2178	3375978	7083100	8217030	2508516	1927	7491484	31
30	6626200	2179	3373800	7085820	8214378	2510443	1928	7489557	30
31	6628379 6630557	2178	3371621	7088540	8211725	2512371	1928	7487629	29
32	6632734	2177	3369443 3367266	7091260 7093980	8209072 8206419	2514299 2516228	1929	7485701 7483772	27
34	6634910	2176	3365090	7096700	8203766	2518158	1930 1930	7481842	26
35	6637087	2177 2175	3362913	7099420	8201113	2520088	1931	7479912	25
36	6639262	2175	3360738	7102140	8198460	2522019	1932	7477981	24
37	6641437	2175	3358563	7104859	8195807	2523951	1932	7476049	23
38	6643612 6645785	2173	3356388 - 3354215	7107578	8193154	2525883	1933	7474117 7472184	22 21
39	6647959	2174	3352041	7110297 7113016	8190500 8187846	2527816 2529749	1933	7470251	20
41	6650131	2172	3349869	7115734	8185192	2531683	1934	7468317	19
42	6652304	2173	3347696	7118452	8182538	2533618	1935	7466382	18
43	6654475	2171 2171	3345525	7121170	8179884	2535554	1936 1936	7464446	17
44	6656646	2171	3343354	7123888	8177230	2537490	1936	7462510	16
45	6658817	2170	3341183	7126606	8174575	2539426	1938	7460574	15
46	6660987	2169	3339013	7129324	8171920	2541364	1937	7458636	14
47	6663156	2169	3336844	7132042	8169265	2543301	1939	7456699	13
48	6665325 6667493	2168	3334675 3332507	7134760 7137477	8166610 8163954	2545240 2547179	1939	7454760 7452821	12
50	6669661	2168 2167	3330339	7140194	8161298	2549119	1940 1940	7450881	10
51	6671828		3328172	7142911	8158642	2551059		7448941	9
52	6673994	2166 2166	3326006	7145628	8155986	2553001	1942 1941	7446999	8
53	6676160	2166	3323840	7148345	8153330	2554942	1941	7445058	8 7 6
54 55	6678326 6680490	2164	3321674 3319510	7151062 7153779	8150674 8148018	2556885 2558827	1942	7443115 7441173	6 5
		2165					1944		
56	6682655 6684818	2163	3317345 3315182	7156496 7159212	8145362 8142705	2560771 2562715	1944	7439229 7437285	3 2
58	6686981	2163	3313019	7161928	8140048	2564660	1945	7435340	2
59	6689144	2163 2162	3310856	7164643	8137390	2566606	1946 1946	7433394	1
60	6691306	2102	3308694	7167358	8134732	2568552	1840	7431448	0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1,
	Contino	24111	1 0130	50-01014	Chora	OUVEID.	Dill.	Oille	

,	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
0 1 2 3 4 5	6691306 6693468 6695628 6697789 6699948 6702108	2162 2160 2161 2159 2160	3308694 3306532 3304372 3302211 3300052 3297892	7167358 7170074 7172790 7175505 7178220 7180935	8134732 8132075 8129418 8126760 8124102 8121444	2568552 2570498 2572446 2574394 2576342 2578292	1946 1948 1948 1948 1950 1950	7431448 7429502 7427554 7425606 7423658 7421708	60 59 58 57 56 55
6 7 8 9 10	6704266 6706424 6708582 6710739 6712895	2158 2158 2158 2167 2156 2156	3295734 3293576 3291418 3289261 3287105	7183650 7186365 7189080 7191794 7194508	8118786 8116127 8113468 8110809 8108150	2580242 2582192 2584143 2586095 2588047	1950 1951 1952 1952 1953	7419758 7417808 7415857 7413905 7411953	54 53 52 51 50
11	6715051	2155	3284949	7197222	8105491	2590000	1954	7410000	49
12	6717206	2155	3282794	7199936	8102832	2591954	1954	7408046	48
13	6719361	2154	3280639	7202650	8100172	2593908	1955	7406092	47
14	6721515	2153	3278485	7205364	8097512	2595863	1956	7404137	46
15	6723668	2153	3276332	7208077	8094852	2597819	1956	7402181	45
16	6725821	2152	3274179	7210790	8092192	2599775	1957	7400225	44
17	6727973	2152	3272027	7213503	8089532	2601732	1957	7398268	43
13	6730125	2151	3269875	7216216	8086872	2603689	1958	7396311	42
19	6732276	2151	3267724	7218929	8084211	2605647	1959	7394353	41
20	6734427	2150	3265573	7221642	8081550	2607606	1959	7392394	40
21	6736577	2150	3263423	7224355	8078889	2609565	1960	7390435	39
22	6738727	2149	3261273	7227068	8076228	2611525	1960	7388475	38
23	6740876	2148	3259124	7229780	8073567	2613485	1962	7386515	37
24	6743024	2148	3256976	7232492	8070906	2615447	1961	7384553	36
25	6745172	2147	3254828	7235204	8068244	2617408	1963	7382592	35
26	6747319	2147	3252681	7237916	8065582	2619371	1963	7380629	34
27	6749466	2146	3250534	7240627	8062920	2621334	1963	7378666	33
28	6751612	2145	3248388	7243338	8060258	2623297	1965	7376703	32
29	6753757	2145	3246243	7246049	8057596	2625262	1965	7374738	31
30	6755902	2144	3244098	7248760	8054934	2627227	1965	7372773	30
31	6758046	2144	3241954	7251471	8052271	2629192	1966	7370808	29
32	6760190	2143	3239810	7254182	8049608	2631158	1967	7368842	28
33	6762333	2143	3237667	7256893	8046945	2633125	1967	7366875	27
34	6764476	2142	3235524	7259604	8044282	2635092	1968	7364908	26
35	6766618	2142	3233382	7262314	8041619	2637060	1969	7362940	25
36	6768760	2141	3231240	7265024	8038956	2639029	1969	7360971	24
37	6770901	2140	3229099	7267734	8036292	2640998	1970	7359002	23
38	6773041	2140	3226959	7270444	8033628	2642968	1971	7357032	22
39	6775181	2139	3224819	7273154	8030964	2644939	1971	7355061	21
40	6777320	2139	3222680	7275864	8028300	2646910	1972	7353090	20
41	6779459	2138	3220541	7278573	8025636	2648882	1972	7351118	19
42	6781597	2137	3218403	7281282	8022972	2650854	1973	7349146	18
43	6783734	2137	3216266	7283992	8020307	2652827	1974	7347173	17
44	6785871	2136	3214129	7286702	8017642	2654801	1974	7345199	16
45	6788007	2136	3211993	7289410	8014977	2656775	1975	7343225	15
46 47 48 49 50	6790143 6792278 6794413 6796547 6798681	2135 2135 2134 2134 2134 2132	3209857 3207722 3205587 3203453 3201319	7292118 7294827 7297536 7300244 7302952	8012312 8009646 8006980 8004315 8001650	2658750 2660725 2662701 2664678 2666655	1975 1976 1977 1977 1978	7341250 7339275 7337299 7335322 7333345	14 13 12 11 10
51	6800813	2133	3199187	7305660	7998983	2668633	1979	7331367	9
52	6802946	2132	3197054	7308368	7996316	2670612	1979	7329388	8
53	6805078	2131	3194922	7311075	7993650	2672591	1980	7327409	7
54	6807209	2130	3192791	7313782	7990984	2674571	1980	7325429	6
55	6809339	2130	3190661	7316490	7988317	2676551	1982	7323449	5
56 57 58 59 60	6811469 6813599 6815728 6817856 6819984	2130 2129 2128 2128	3188531 3186401 3184272 3182144 3180016	7319198 7321905 7324612 7327318 7330024	7985650 7982983 7980316 7977649 7974982	2678533 2680514 2682497 2684479 2686463	1981 1983 1982 1984	7321467 7319486 7317503 7315521 7313537	4 3 2 1 0
1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	

,	Sine	Diff.	Covers.	Chord	Co-chord	Vers,	Diff.	Cosine	,
0	6819984		3180016	7330024			21		000
1	6822111	2127	3177889	7332731	7974982 7972314	2686463 2688447	1984	7313537 7311553	60 59
2	6824237	2126	3175763	7335438	7969646	2690432	1985	7309568	58
3	6826363	2126 2126	3173637	7338144	7966978	2692417	1985 1986	7307583	57
4	6828489	2124	3171511	7340850	7964310	2694403	1987	7305597	56
5	6830613	2125	3169387	7343555	7961641	2696390	1987	7303610	55
6 7	6832738	2123	3167262	7346260	7958972	2698377	1988	7301623	54
8	6834861 6836984	2123	3165139 3163016	7348966 7351672	7956304 7953636	2700365 2702354	1989	7299635	53 52
9	6839107	2123	3160893	7354377	7950966	2704343	1989	7297646 7295657	51
10	6841229	2122 2121	3158771	7357082	7948296	2706332	1989 1991	7293668	50
11	6843350	2121	3156650	7359787	7945627	2708323		7291677	49
12	6845471	2121	3154529	7362492	7942958	2710314	1991 1991	7289686	48
13	6847591	2120	3152409	7365196	7940288	2712305	1992	7287695	47
14   15	6849711 6851830	2119	3150289 3148170	7367900 7370604	7937618 7934948	2714297 2716290	1993	7285703 7283710	46
i		2118			1		1994		
16 17	6853948 6856066	2118	3146052 3143934	7373308 7376012	7932278 7929607	2718284 2720278	1994	7281716 7279722	44
18	6858184	2118	3141816	7378716	7926936	2722272	1994	7277728	43
19	6860300	2116 2116	3139700	7381419	7924266	2724268	1996	7275732	41
20	6862416	2116	3137584	7384122	7921596	2726264	1996 1996	7273736	40
21	6864532	2115	3135468	7386826	7918925	2728260		7271740	39
22	6866647	2114	3133353	7389530	7916254	2730257	1997 1998	7269743	38
23 24	6868761 6870875	2114	3131239	7392233	7913582	2732255	1998	7267745	37
25	6872988	2113	3129125 3127012	7394936 7397638	7910910 7908238	2734253 2736252	1999	7265747 7263748	36
26		2113					2000		
27	6875101 6877213	2112	3124899 3122787	7400340 7403042	7905566 7902894	2738252 2740252	2000	7261748 7259748	34
28	6879325	2112	3120675	7405744	7900222	2742253	2001	7257747	32
29	6881435	2110 2111	3118565	7408446	7897550	2744254	2001	7255746	31
30	6883546	2109	3116454	7411148	7894878	2746256	2002 2003	7253744	30
31	6885655	2110	3114345	7413850	7892205	2748259	2003	7251741	29
32	6887765	2108	3112235	7416552	7889532	2750262	2004	7249738	28
33	6889873 6891981	2108	3110127 3108019	7419253 7421954	7886859 7884186	2752266 2754271	2005	7247734	27
35	6894089	2108	3105911	7424655	7881512	2756276	2005	7245729 7243724	26 25
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37	6898302	2107	3101698	7430057	7876164	2760288	2007	7239712	23
38	6900407	2105 2105	3099593	7432758	7873490	2762295	2007 2007	7237705	22
39	6902512	2105	3097488	7435458	7870816	2764302	2007	7235698	21
40	6904617	2104	3095383	7438158	7868142	2766310	2009	7233690	20
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42	6908824 6910927	2103	3091176 3089073	7443560 7446259	7862794 7860119	2770329 2772339	2010	7229671	18
44	6913029	2102	3086971	7448958	7857444	2774349	2010	7227661 7225651	17
45	6915131	2102 2101	3084869	7451658	7854769	2776360	2011 2012	7223640	15
46	6917232		3082768	7454358	7852094	2778372		7221628	14
47	6919332	2100	3080668	7457057	7849418	2780385	2013	7219615	13
48	6921432	2100 2099	3078568	7459756	7846742	2782398	2013 2013	7217602	12
49 50	6923531 6925630	2099	3076469	7462455	7844066	2784411	2015	7215589	111
		2098	3074370	7465154	7841390	2786426	2015	7213574	10
51 52	6927728 6929825	2097	3072272	7467852	7838714 7836038	2788441	2015	7211559	9
53	6931922	2097	3070175 3068078	7470550 7473248	78333362	2790456 2792472	2016	7209544 7207528	7
54	6934018	2096 2096	3065982	7475946	7830686	2794489	2017	7205511	8 7 6
55	6936114	2096	3063886	7478644	7828009	2796506	2017 2018	7203494	5
56	6938209	2095	3061791	7481342	7825332	2798524	2019	7201476	4
57	6940304	2093	3059696	7484040	7822655	2800543	2019	7199457	4 3 2 1
58 59	6942398 6944491	2093	3057602 3055509	7486738 7489435	7819978 7817300	2802562 2804582	2020	7197438 7195418	2
60	6946584	2093	3053416	7499132	7814622	2804582	2020	7193418	0
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1	Cosine	Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	1

1									1
•	Sine	Diff.	Covers.	Chord	Co-chord	Vers.	Diff.	Cosine	,
1					box 1005	0000000		## 0000C	000
0	6946584	2092	3053416	7492132	7814622	2806602	2021	7193398	60
1	6948676	2091	3051324	7494829	7811944	2808623	2022	7191377	59
2	6950767	2091	3049233	7497526	7899266	2810645	2022	7189355	58
3	6952858	2091	3047142	7500222	7806588	2812667	2023	7187333	57
4	6954949	2090	3045051	7502918	7803910	2814690	2023	7185310	56
5	6957039	2089	3042961	7505615	7801232	2816713	2024	7183287	55
6	6959128	2089	3040872	7508312	7798554	2818737	2025	7181263	54
7	6961217	2088	3038783	7511008	7795875	2820762	2025	7179238	53
8	6963305	2087	3036695	7513704	7793196	2822787	2026	7177213	52
9	6965392	2087	3034608	7516399	7790517	2824813	2026	7175187	51
0	6967479	2087	3032521	7519094	7787838	2826839	2027	7173161	5
1	6969565	2086	3030435	7521790	7785159	2828866	2028	7171134	4
2	6971651		3028349	7524486	7782480	2830894	2028	7169106	4
13	6973736	2085	3026264	7527181	7779800	2832922	2029	7167078	4
4	6975821	2085	3024179	7529876	7777120	2834951	2029	7165049	4
15	6977905	2084 2083	3022095	7532570	7774440	2836981	2030	7163019	4
16	6979988	2083	3020012	7535264	7771760	2839011	2030	7160989	44
17	6982071		3017929	7537959	7769079	2841041	2032	7158959	4:
18	6984153	2082 2081	3015847	7540654	7766398	2843073	2032	7156927	4:
19	6986234		3013766	7543348	7763717	2845105		7154895	4
20	6988315	2081 2081	3011685	7546042	7761036	2847137	2032 2033	7152863	4
21	6990396		3009604	7548735	7758355	2849170		7150830	3
22	6992476	2080	3007524	7551428	7755674	2851204	2034	7148796	3
23	6994555	2079	3005445	7554122	7752993	2853238	2034	7146762	3
24	6996633	2078	3003367	7556816	7750312	2855273	2035	7144727	3
25	6998711	2078 2078	3001289	7559509	7747630	2857309	2036 2036	7142691	3
26	7000789		2999211	7562202	7744948	2859345		7140655	3
27	7002866	2077	2997134	7564895	7742266	2861382	2037	7138618	3
28	7004942	2076	2995058	7567588	7739584	2863419	2037	7136581	3
29	7007018	2076	2992982	7570280	7736902	2865457	2038	7134543	3
30	7009093	2075 2074	2990907	7572972	7734220	2867496	2039 2039	7132504	3
31	7011167		2988833	7575664	7731537	2869535		7130465	2
32	7013241	2074	2986759	7578356	7728854	2871574	2039	7128426	2
33	7015314	2073	2984686	7581048	7726171	2873615	2041	7126385	2
34	7017387	2073	2982613	7583740	7723488	2875656	2041	7124344	2
35	7019459	2072	2980541	7586432	7720804	2877697	2041	7122303	2
36	7021531	2072	2978469	7589124	7718120	2879740	2043	7120260	2
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38		2071					2044		2
39	7025672	2069	2974328	7594506	7712754	2883826	2044	7116174	
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41		2068					2045		
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43	7036014	2067	2963986	7607958	7699332	2894052	2047	7105948	li
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47		2065	2957787	7616028	7688592	2902243	2049		
48	7044278 7046342	2064	2955722 2953658	7618718 7621408	7685906	2904293	2050	7097757 7095707	1
49	7040342	2064	2953058	7621408	7683221	2906343	2050	7093657	1
50	7050469	2063	2949531	7626786	7680536	2908393	2050	7093657	H
51		2063					2051		
51 52	7052532 7054594	2062	2947468 2945406	7629475 7632164	7677850 7675164	2910444 2912496	2052	7089556 7087504	
53	7056655	2061	2943406	7634852	7672477	2914549	2053	7085451	
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55	7060776	2060	2939224	7640229	7667104	2918655	2053	7083398	
		2059					2054		
56 57	7062835	2059	2937165	7642918	7664418	2920709	2055	7079291	
58	7064894	2059	2935106	7645606	7661731	2922764	2056	7077236	
59	7066953	2058	2933047	7648294	7659044	2924820	2056	7075180	
60	7069011 7071068	2057	2930989 2928932	7650981 7653668	7656356 7653668	2926876 2928932	2056	7073124 7071068	
	1012000		2020002	,000003	1000000	2020002		1011000	
		Diff.	Vers.	Co-chord	Chord	Covers.	Diff.	Sine	

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3	.0008727	0183280	.0357945	*0532829	•0708038	*0883681	·1059866	57
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5	.0014544	·0189100	0363771	*0538663	*0713885	*0889544	·1065750	55
6	.0017453	·0192010	.0366683	.0541581	*0716809	*0892476	·1068692	54
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8 9	*0023271 *0026180	*0197830 *0200740	*0372509 *0375422	*0547416 *0550333	*0722657 *0725581	*0898341 *0901273	·1074576 ·1077519	52 51
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16	*0046542	.0221111	.0395814	0570759	*0746053	0921804	·1098122	44
17	*0049451	0224021	0398728	0573678	0748979	0924738	·1101066	43
18 19	*0052360 *0055269	*0226932 *0229842	*0401641 *0404555	*0576596 *0579515	*0751904 *0754829	*0927672 *0930606	°1104010 °1106955	42
20	0.0058178	0.0232753	0.0407469	0.0582434	0.0757755	0.0933540	0.1109899	40
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21 22	0063996	*0235663 *0238574	*0410383 *0413296	*0585352 *0588271	*0760680 *0763606	*0936474 *0939409	*1112844 *1115789	39
23	*0066905	0241484	*0416210	.0591190	0766532	0942344	·1118734	37
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29 30	*0084360 0*0087269	*0258948 0*0261859	°0433695 0°0436609	*0608706 0*0611626	*0784090 0*0787017	*0959955 0*0962890	*1136410 0*1139356	31 30
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40	0.0116361	0.0290970	0.0465757	0.0640829	0.0816293	0.0992257	0.1168832	20
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45	0130907	·0305528	*0480334	<b>*</b> 0655435	*0830936	1006947	·1183578	15
46	-0133817	0308439	*0483250	*0658 <b>356</b>	*0833865	·1009886	·1186528	14
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60	0.0174551	0.0349208	0.0524078	0.0699268	0.0874887	0.1051042	0.1227846	0
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,	7°	8°	9°	10°	11°	12°	13°	1.
1 2 3 4 5	0·1227846	0·1405408	0·1583844	0·1763270	0·1943803	0·2125566	0·2308682	60
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11	1260339	*1438053	*1616662	•1796281	1977031	*2159032	*2342410	49
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13	1266249	*1443991	*1622632	•1802287	1983076	*2165122	*2348548	47
14	1269205	*1446961	*1625618	•1805291	1986100	*2168167	*2351617	46
15	1272161	*1449931	*1628603	•1808295	1989124	*2171213	*2354687	45
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23	1295815	1473699	*1652501	*1832337	*2013327	*2195593	·2379262	37
24	1298773	1476672	*1655489	*1835343	*2016354	*2198643	·2382336	36
25	1301731	1479644	*1658478	*1838350	*2019381	*2201692	·2385410	35
26	1304690	1482617	1661467	1841358	*2022409	*2204742	*2388485	34
27	1307648	1485590	1664456	1844365	*2025437	*2207793	*2391560	33
28	1310607	1488563	1667446	1847373	*2028465	*2210844	*2394635	32
29	1313566	1491536	1670436	1850382	*2031494	*2213895	*2397711	31
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33	1325404	1503433	*1682398	*1862418	*2043612	·2226104	*2410019	27
34	1328364	1506408	*1685390	*1865428	*2046643	·2229157	*2413097	26
35	1331324	1509383	*1688381	*1868439	*2049674	·2232211	*2416176	25
36	1334285	1512358	*1691373	1871449	*2052705	*2235265	*2419255	24
37	1337246	1515333	*1694366	1874460	*2055737	*2238319	*2422334	23
38	1340207	1518309	*1697358	1877471	*2058769	*2241374	*2425414	22
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56 57 58 59 60	1393545 1396510 1399476 1402442 0:1405408	1571919 1574900 1577881 1580863 0:1583844	*1751275 *1754273 *1757272 *1760271 0*1768270	1931731 1934748 1937766 1940784 01943803	*2113407 *2116446 *2119486 *2122525 0*2125566	*2296429 *2299492 *2302555 *2305618 0*2308682	*2480925 *2484013 *2487102 *2490191 <b>0</b> *2493280	3 2 1 0
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11 12	·2527294 ·2530389	•2713817 •2716940	*2902114 *2905269	*3092330 *3095517	*3284610 *3287833	*3479107 *3482368	*3675981 *3679284	48
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40	0.2617234 .2620342	0·2804597 ·2807735	0.2993803	0·3184998 ·3188202	0·3378330 ·3381571	0.3573956	0·3772038 ·3775361	19
41 42	*2623451	2810873	*3000144	*3191407	*3384813	*3580518	*3778685	18
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15	*3888787	4091108	4296339	4504672	4716306	4931454	*5150338	45
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17	*3895486	*4097901	4303232	4511672	4723420	4938689	•5157702	43
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24 25	*3918957 *3922313	·4121703 ·4125106	*4327386 *4330840	*4536201 *4539709	*4748349 *4751914	*4964043 *4967669	*5183508 *5187199	36
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26	*3925670	4128510	4334295	*4543218	4755481	·4971297	*5190891	34
27 28	*3929027 *3932386	*4131915 *4135321	·4337751 ·4341208	*4546728 *4550238	·4759048 ·4762616	*4974925 *4978554	·5194584 ·5198278	33
29	*3935745	4138728	*4344665	4553750	4766185	4982185	*5201974	31
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14	*7062940	*7327832	*7599587	·7878649	*8165493	*8460633	*8764620	46
15	·7067301	*7332303	°7604177	·7883364	*8170343	38465625	*8769765	45
16	*7071664	*7336777	.7608769	·7888082	*8175195	*8470620	*8774912	44
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23	7102253	*7368147	*7640969	·7921167	*8209222	*8505653	*8811017	37
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32	*7141712	•7408618	.7682517	·7963862	*8253140	*8550873	*8857630	28
33	*7146106	•7413124	.7687144	.7968617	*8258031	*8555910	*8862822	27
34	*7150501	•7417633	*7691773	.7973374	*8262925	*8560950	*8868017	26
35	*7154898	.7422143	*7696404	·7978134	*8267821	*8565992	*8873215	25
36	.7159297	*7426655	•7701037	*7982895	*8272719	*8571037	*8878415	24
37	7163698	.7431170	•7705672	*7987659	*8277620	*8576084	*8883619	23
38	·7168100	.7435686	•7710309	*7992425	*8282523	*8581133	*8888825	22
39	.7172505	.7440204	•7714948	•7997193	*8287429	*8586185	*8894033	21
40	0.7176911	0.7444724	0.7719589	0.8001963	0.8292337	0.8591240	0.8899244	20
41	•7181319	*7449246	•7724233	*8006736	*8297247	*8596297	*8904458	19
42	•7185729	·7453770	•7728878	8011511	8302160	*8601357	*8909675	18
43	*7190141	•7458296	•7733526	*8016288	*8307075	*8606419	*8914894	17
44	*7194554	•7462824	·7738176	*8021067	*8311992	*8611484	*8920116	16
45	7198970	·7467354	·7742827	*8025849	*8316912	*8616551	*8925341	15
46	•7203387	·7471886	·7747481	*8030632	*8321834	*8621621	*8930569	14
47	*7207806	*7476420	*7752137	*8035418	*8326759	*8626694	*8935799	13
48	*7212227	7480956	•7756795	*8040206	*8331686	*8631768	*8941032	12
49	7216650	*7485494	*7761455	*8044997	*8336615	*8636846	*8946268	11
50	0.7221075	0.7490033	0.7766118	0.8049790	0.8341547	0.8641926	0.8951506	10
51	•7225502	*7494575	7770782	*8054584	*8346481	*8647009	*8956747	9
52	*7229930	7499119	.7775448	*8059382	*8351418	*8652094	*8961991	8
53	7234361	*7508665	7780117	*8064181	*8356357	*8657181	*8967238	7
54	7238793	.7508212	*7784788	*8068983	*8361298	*8662272	*8972487	6
55	7243227	7512762	7789460	*8073787	*8366242	*8667365	*8977739	5
56	7247663	•7517314	*7794135	*8078593	*8371188	*8672460	*8982994	14
57	7252101	7521867	•7798812	*8083401	*8376136	*8677558	*8988251	3
58	*7256540	7526423	*7803492	*8088212	*8381087	*8682659	*8993512	2
59	*7260982	•7530981	*7808173	*8093025	*8386041	*8687762	*8998775	1
60	0.7265425	0.7535541	0.7812856	0.8097840	0.8390996	0.8692867	0.9004040	0
	54°	53°	52°	51°	50°	49°	48°	,
	0.2	00	04	01	00	20	10	

								1
,	42°	43°	44°	45°	46°	47°	48°	,
0	0.9004040 9009309	0.9325151 .9330591	0.9656888 9662511	1.0000000 1.0005819	1.0355303 1.0361333	1.0723687 1.0729943	1·1106125 1·1112624	60 59
2 3	*9014580 *9019854	*9336034 *9341479	•9668137 •9673767	1.0011642 1.0017469	1.0367367 1.0373404	1.07362 <b>03</b> 1.0742467	1·1119127 1·1125635	58
4	9025131	9346928	•9679399	1.0023298	1.0379445	1.0748734	1.1132146	56
5	9030411	•9352380	*9685035	1.0029131	1.0385489	1.0755006	1.1138662	55
6	*9035693	9357834	9690674	1.0034968	1.0391538	1.0761282	1.1145182	54
8	*9040979 *9046267	*9363292 *9368753	*9696316 *9701962	1.0040807 1.0046651	1.0397589 1.0403645	1.0767561 1.0773845	1·1151706 1·1158235	53 52
9	9051557	9374216	9707610	1.0052497	1.0409704	1.0780132	1.1164768	51
10	0.9056851	0.9379683	0.9713262	1.0058348	1 0415767	1.0786423	1.1171305	50
11	9062147	9385153	9718917	1.0064201	1.0421833	1.0792718	1.1177846	49
12 13	*9067446 *9072748	*9390625 *9396101	*9724575 *9730236	1.0070058 1.0075918	1.0427904 1.0433977	1.0799018 1.0805321	1·1184391 1·1190941	48
14	9078053	9401579	9735901	1.0081782	1.0440055	1.0811628	1.1197495	46
15	9083360	9407061	9741569	1.0087649	1.0446136	1.0817939	1.1204053	45
16	9088671	9412545	9747240	1.0093520	1.0452221	1.0824254	1.1210616	44
17	*9093984 *9099300	*9418033 *9423523	*9752914 *9758591	1.0099394 1.0105272	1.0458310 1.0464402	1.0830573 1.0836896	1·1217183 1·1223754	43
19	9104619	9429017	9764272	1.0111153	1.0470498	1.0843223	1.1230329	41
20	0.9109940	0.9434513	0.9769956	1.0117038	1.0476598	1.0849554	1.1236909	40
21	9115265	9440013	9775643	1.0122925	1.0482702	1.0855889	1.1243493	39
22 23	*9120592 *9125922	*9445516 *9451021	*9781333 *9787027	1.0128817 1.0134712	1.0488809 1.0494920	1.0862228 1.0868571	1·1250081 1·1256674	38
24	9131255	9456530	9792724 .	1.0140610	1.0501034	1.0874918	1.1263271	36
25	9136591	9462042	9798424	1.0146512	1.0507153	1.0881269	1.1269872	35
26	9141929	9467556	9804127	1.0152418	1.0513275	1.0887624	1.1276478	34
27 28	*9147270 *9152615	*9473074 *9478595	*9809833 *9815543	1.0158326 1.0164239	1.0519401 1.0525531	1.0893984 1.0900347	1·1283088 1·1289702	33
29	9157962	9484119	9821256	1.0170155	1.0531664	1.0906714	1.1296321	31
30	0.9163312	0.9489646	0.9826973	1.0176074	1.0537801	1.0913085	1.1302944	30
31	9168665	·9495176	9832692	1.0181997	1.0543942	1.0919460	1.1309571	29
32 33	*9174020 *9179379	*9500709 *9506245	*9838415 *9844141	1.0187923 1.0193853	1.0550087 1.0556235	1.0925840 1.0932223	1·1316203 1·1322839	28 27
34	9184740	9511784	9849871	1.0199786	1.0562388	1.0938610	1.1329479	26
35	·9190104	9517326	9855603	1.0205723	1.0568544	1.0945002	1.1336124	25
36	9195471	9522871	9861339	1.0211664	1.0574704	1.0951397	1.1342773	24
37 38	*9200841 *9206214	*9528420 *9533971	9867079 9872821	1.0217608 1.0223555	1.0580867 1.0587035	1·0957797 1·0964201	1·1349427 1·1356085	23 22
39	9211590	9539526	9878567	1.0229506	1.0593206	1.0970609	1.1362747	21
40	0.9216969	0.9545083	0.9884316	1.0235461	1.0599381	1.0977020	1.1369414	20
41	9222350	9550644	•9890069	1.0241419	1.0605560	1.0983436	1.1376086	19
42	*9227734 *9233122	*9556208 *9561774	*9895825 *9901584	1.0247381 1.0253346	1.0611742 1.0617929	1·0989857 1·0996281	1·1382761 1·1389441	18
44	9238512	9567344	9907346	1.0259315	1.0624119	1.1002709	1.1396126	16
45	9243905	9572917	9913112	1.0265287	1.0630313	1.1009141	1.1402815	15
46	*9249301	*9578494 *9584073	9918881	1.0271263	1.0636511	1.1015578	1.1416908	14
47	*9254700 *9260102	9589655	*9924654 *9930429	1.0277243 1.0283226	1.0642713 1.0648918	1·1022019 1·1028463	1·1416206 1·1422908	13 12
49	9265506	9595241	*9936208	1.0289212	1.0655128	1.1034912	1.1429615	11
50	0.9270914	0.9600829	0.9941991	1.0295203	1.0661341	1.1041365	1.1436326	10
51 52	*9276324 *9281738	9606421 9612016	*9947777 *9953566	1.0301196 1.0307194	1.0667558 1.0673779	1·1047823 1·1054284	1·1443041 1·1449762	9
53	9287154	9617614	*9959358	1.0313195	1.0680004	1.1060750	1.1456486	8 7
54	9292573	9623215	*9965154	1.0319199	1.0686233	1.1067219	1.1463215	6
55	9297996	9628819	9970953	1.0325208	1.0692466	1.1073693	1.1469949	5
56	*9303421 *9308849	*9634427 *9640037	*9976756 *9982562	1.0331220 1.0337235	1.0698702 1.0704943	1·1080171 1·1086653	1·1476687 1·1483429	3
58	9314280	9645651	9988371	1.0343254	1.0711187	1.1093140	1.1490176	2
59	*9319714 0*9325151	9651268	*9994184	1.0349277	1.0717435	1.1099630	1.1496928	1
60	0.8920101	0.9656888	1.0000000	1.0355303	1.0723687	1.1106125	1.1503684	0
1	47°	46°	45°	44°	43°	42°	41°	1

,	49°	50°	51°	52°	53°	54°	55°	,
0 1 2 3 4 5	1 ·1503684 1 ·1510445 1 ·1517210 1 ·1523979 1 ·1530754 1 ·1537532	1·1917536 1·1924579 1·1931626 1·1938679 1·1945736 1·1952799	1·2348972 1·2356319 1·2363672 1·2371030 1·2378393 1·2385762	1·2799416 1·2807094 1·2814776 1·2822465 1·2830160 1·2837860	1·3270448 1·3278483 1·3286524 1·3294571 1·3302624 1·3310684	1·3763819 1·3772242 1·3780672 1·3789108 1·3797551 1·3806001	1·4281480 1·4290326 1·4299178 1·4308039 1·4316906 1·4325781	59 58 57 56 55
6	1.1544316	1·1959866	1·2393136	1.2845566	1·3318750	1:3814458	1:4334664	54
7	1.1551104	1·1966938	1·2400515	1.2853277	1·3326822	1:3822922	1:4343554	53
8	1.1557896	1·1974015	1·2407900	1.2860995	1·3334900	1:3831392	1:4352451	52
9	1.1564693	1·1981097	1·2415290	1.2868718	1·3342984	1:3839869	1:4361356	51
10	1.1571495	1·1988184	1·2422685	1.2876447	1·3351075	1:3848353	1:4370268	50
11	1·1578301	1·1995276	1.2430086	1·2884182	1·3359172	1·3856844	1.4379187	49
12	1·1585112	1·2002373	1.2437492	1·2891922	1·3367276	1·3865342	1.4388114	48
13	1·1591927	1·2009475	1.2444903	1·2899669	1·3375386	1·3873847	1.4397049	47
14	1·1598747	1·2016581	1.2452320	1·2907421	1·3383502	1·3882358	1.4405991	46
15	1·1605571	1·2023693	1.2459742	1·2915179	1·3391624	1·3890876	1.4414940	45
16	1·1612400	1·2030810	1:2467169	1·2922943	1:3399753	1:3899401	1:4423897	44
17	1·1619234	1·2037932	1:2474602	1·2930713	1:3407888	1:3907934	1:4432862	43
18	1·1626073	1·2045058	1:2482040	1·2938488	1:3416029	1:3916473	1:4441834	42
19	1·1632916	1·2052190	1:2489484	1·2946270	1:3424177	1:3925019	1:4450814	41
20	1·1639763	1·2059327	1:2496933	1·2954057	1:3432331	1:3933571	1:4459801	40
21	1·1646615	1 · 2066468	1·2504388	1·2961850	1:3440492	1·3942131	1:4468796	39
22	1·1653472	1 · 2073615	1·2511848	1·2969649	1:3448658	1·3950698	1:4477798	38
23	1·1660334	1 · 2080767	1·2519313	1·2977454	1:3456832	1·3959272	1:4486808	37
24	1·1667200	1 · 2087924	1·2526784	1·2985265	1:3465011	1·3967852	1:4495825	36
25	1·1674071	1 · 2095085	1·2534260	1·2993081	1:3473198	1·3976440	1:4504850	35
26	1·1680947	1·2102252	1·2541742	1:3000904	1·3481390	1·3985034	1·4513883	34
27	1·1687827	1·2109424	1·2549229	1:3008733	1·3489589	1·3993636	1·4522923	33
28	1·1694712	1·2116601	1·2556721	1:3016567	1·3497794	1·4002245	1·4531971	32
29	1·1701601	1·2123783	1·2564219	1:3024407	1·3506006	1·4010860	1·4541027	31
30	1·1708496	1·2130970	1·2571723	1:3032254	1·3514224	1·4019483	1·4550090	30
31	1·1715395	1·2138162	1·2579232	1:3040106	1.3522449	1·4028113	1 4559161	29
32	1·1722298	1·2145359	1·2586747	1:3047964	1.3530680	1·4036749	1 4568240	28
33	1·1729207	1·2152562	1·2594267	1:3055828	1.3538918	1·4045393	1 4577326	27
34	1·1736120	1·2159769	1·2601792	1:3063699	1.3547162	1·4054044	1 4586420	26
35	1·1743038	1·2166982	1·2609323	1:3071575	1.3555413	1·4062702	1 4595522	25
36	1·1749960	1 ·2174199	1.2616860	1·3079457	1·3563670	1·4071367	1.4604632	24
37	1·1756888	1 ·2181422	1.2624402	1·3087345	1·3571934	1·4080039	1.4613749	23
38	1·1763820	1 ·2188650	1.2631950	1·3095239	1·3580204	1·4088718	1.4622874	22
39	1·1770756	1 ·2195883	1.2639503	1·3103140	1·3588481	1·4097405	1.4632007	21
40	1·1777698	1 ·2203121	1.2647062	1·3111046	1·3596764	1·4106098	1.4641147	20
41	1.1784644	1·2210364	1·2654626	1 · 3118958	1:3605054	1·4114799	1·4659452	19
42	1.1791595	1·2217613	1·2662196	1 · 3126876	1:3613350	1·4123506	1·4659452	18
43	1.1798551	1·2224866	1·2669772	1 · 3134801	1:3621653	1·4132221	1·4668616	17
44	1.1805512	1·2232125	1·2677353	1 · 3142731	1:3629963	1·4140943	1·4677788	16
45	1.1812477	1·2239389	1·2684940	1 · 3150668	1:3638279	1·4149673	1·4686967	15
46	1·1819447	1·2246658	1.2692532	1·3158610	1:3646602	1·4158409	1.4696155	14
47	1·1826422	1·2253932	1.2700130	1·3166559	1:3654931	1·4167153	1.4705350	13
48	1·1833402	1·2261211	1.2707733	1·3174513	1:3663267	1·4175904	1.4714553	12
49	1·1840387	1·2268496	1.2715342	1·3182474	1:3671610	1·4184662	1.4723764	11
50	1·1847376	1·2275786	1.2722957	1·3190441	1:3679959	1·4193427	1.4732983	10
51	1.1854370	1·2283081	1 · 2730578	1·3198414	1:3688315	1·4202200	1·4742210	9
52	1.1861369	1·2290381	1 · 2738204	1·3206393	1:3696678	1·4210979	1·4751445	8
53	1.1868373	1·2297687	1 · 2745835	1·3214379	1:3705047	1·4219766	1·4760688	7
54	1.1875382	1·2304997	1 · 2753473	1·3222370	1:3713423	1·4228561	1·4769938	6
55	1.1882395	1·2312313	1 · 2761116	1·3230368	1:3721806	1·4237362	1·4779197	5
56	1·1889414	1·2319634	1·2768765	1·3238371	1·3730195	1·4246171	1·4788463	4
57	1·1896437	1·2326961	1·2776419	1·3246381	1·3738591	1·4254988	1·4797738	3
58	1·1903465	1·2334292	1·2784079	1·3254397	1·3746994	1·4263811	1·4807021	2
59	1·1910498	1·2341629	1·2791745	1·3262420	1·3755403	1·4272642	1·4816311	1
60	1·1917536	1·2348972	1·2799416	1·3270448	1·3763819	1·4281480	1·4825610	0
1	40°	39°	38°	37°	36°	35°	34°	1

,	<b>5</b> 6°	57°	58° –	59°	60°	61°	62°	,
0 1 2	1.4825610	1.5398650	1.6003345	1.6642795	1.7320508	1.8040478	1.8807265	60
	1.4834916	1.5408460	1.6013709	1.6653766	1.7332149	1.8052860	1.8820470	59
	1.4844231	1.5418280	1.6024082	1.6664748	1.7343803	1.8065256	1.8833690	58
3 4 5	1·4853554	1.5428108	1.6034465	1.6675741	1.7355468	1.8077664	1.8846924	57
	1·4862884	1.5437946	1.6044858	1.6686744	1.7367144	1.8090086	1.8860172	56
	1·4872223	1.5447792	1.6055260	1.6697758	1.7378833	1.8102521	1.8873436	55
6	1.4881570	1.5457647	1.6065672	1.6708782	1.7390533	1:8114969	1.8886713	54
7	1.4890925	1.5467510	1.6076094	1.6719818	1.7402245	1:8127430	1.8900006	53
8	1.4900288	1.5477383	1.6086525	1.6730864	1.7413969	1:8139904	1.8913313	52
9	1.4909659	1.5487264	1.6096966	1.6741921	1.7425705	1:8152391	1.8926635	51
10	1·4919039	1.5497155	1.6107417	1.6752988	1·7437453	1·8164892	1·8939971	50
11	1·4928426	1.5507054	1.6117878	1.6764067	1·7449213	1·8177405	1·8953322	49
12	1·4937822	1.5516963	1.6128349	1.6775156	1.7460984	1.8189932	1.8966688	48
13	1·4947225	1.5526880	1.6138829	1.6786256	1.7472768	1.8202473	1.8980068	47
14	1·4956637	1.5536806	1.6149320	1.6797367	1.7484564	1.8215026	1.8993464	46
15	1·4966058	1.5546741	1.6159820	1.6808489	1.7496371	1.8227593	1.9006874	45
16	1:4975486	1.5556685	1.6170330	1.6819621	1.7508191	1.8240173	1.9020299	44
17	1:4984923	1.5566639	1.6180850	1.6830765	1.7520023	1.8252767	1.9033738	43
18	1:4994367	1.5576601	1.6191380	1.6841919	1.7531866	1.8265374	1.9047193	42
19	1:5003821	1.5586572	1.6201920	1.6853085	1.7543722	1.8277994	1.9060663	41
20	1:5013282	1.5596552	1.6212469	1.6864261	1.7555590	1.8290628	1.9074147	40
21	1.5022751	1.5606542	1.6223029	1.6875449	1.7567470	1:8303275	1.9087647	39
22	1.5032229	1.5616540	1.6233599	1.6886647	1.7579362	1:8315936	1.9101162	38
23	1.5041716	1.5626548	1.6244178	1.6897856	1.7591267	1:8328610	1.9114691	37
24	1.5051210	1.5636564	1.6254768	1.6909077	1.7603183	1:8341297	1.9128236	36
25	1.5060713	1.5646590	1.6265368	1.6920308	1.7615112	1:8353999	1.9141795	35
26	1:5070224	1.5656625	1.6275977	1.6931550	1.7627053	1.8366713	1.9155370	34
27	1:5079743	1.5666669	1.6286597	1.6942804	1.7639007	1.8379442	1.9168960	33
28	1:5089271	1.5676722	1.6297227	1.6954069	1.7650972	1.8392184	1.9182565	32
29	1:5098807	1.5686784	1.6307867	1.6965344	1.7662950	1.8404940	1.9196186	31
30	1:5108352	1.5696856	1.6318517	1.6976631	1.7674940	1.8417709	1.9209821	30
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'	33°	32°	31°	30°	29°	28°	27°	,

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	2°8582168 2°866863 2°8668602 2°8662386 2°87698215 2°8716083 2°8769970 2°8769970 2°876979 2°8824033 2°8824033 2°8851132 2°8878277 2°8905467 2°8932704 2°8932704	2-8582168 3-0296327 2-8608363 3-0296320 2-8608363 3-0296320 2-8662386 3-0355641 2-8716083 3-0415173 2-8743007 3-0445018 2-879979 3-0504866 2-8824033 3-0534870 2-8879977 3-0595038 2-851132 3-0564928 2-8878277 3-0595038 2-8032704 3-0655421 2-8932704 3-0655421 2-8932704 3-0655624 2-89387314 3-0716020 2-9014688 3-0746400	2-8582168 3-0286737 3-2130922 2-8608863 3-0296320 3-2172215 2-8608602 3-0325964 3-2205263 2-8602386 3-0355641 3-2238373 2-8682215 3-0385641 3-2238373 2-8716983 3-0415173 3-2204780 2-8748007 3-0445018 3-2238073 2-8769979 3-05445018 3-2231438 2-8799979 3-0504866 3-2404860 2-8824033 3-056492 3-2438346 2-8824033 3-056492 3-2438346 2-8878277 3-0595038 3-2505508 2-89050467 3-0625203 3-2539184 2-8932704 3-0655421 3-257294 2-8932704 3-0655421 3-257294 2-89387314 3-0716020 3-2640567 2-8947314 3-0716020 3-2640569	2-8682168 3-02266737 3-2130228 3-4234297 3-228608363 3-0296320 3-22172215 3-4271325 2-86083683 3-0296320 3-22172215 3-4308446 2-8602386 3-03256541 3-2238373 3-4345631 2-8680215 3-0385581 3-2271546 3-4382891 2-8716089 3-0415173 3-2304709 3-4420236 2-8743007 3-0445018 3-2338078 3-4457635 2-8760970 3-0474915 3-22371438 3-4495120 2-88760979 3-0564928 3-2471895 3-4608028 2-851132 3-0564928 3-2471895 3-4608028 2-85132 3-2505508 3-4645813 2-895136 3-0585694 3-25539184 3-4663676 2-8032704 3-0655421 3-2572924 3-4721616 2-8032704 3-0655421 3-2572924 3-4721616 2-8985316 3-0746400 3-2674529 3-4838896 2-9042109 3-0776835 3-2708526 3-48574144	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2-8582168         3-0286737         3-2139228         3-4234297         3-6595665         3-9279297         4-23580019           2-8608863         3-0296320         3-2172215         3-4271334         3-6637575         3-9327141         4-241317           2-86083602         3-032564         3-2205263         3-4306446         3-6673757         3-9375094         4-241317           2-8662386         3-0355641         3-2238373         3-4345631         3-6721665         3-9423157         4-2523923           2-8689215         3-0385381         3-2271546         3-4832891         3-6736845         3-9471331         4-2523923           2-8748007         3-0446018         3-2338078         3-4457635         3-6848475         3-9568011         4-2635218           2-8769979         3-0504866         3-2404860         3-4532679         3-693469         3-9665117         4-2250919           2-884033         3-054492         3-2471945         3-4670315         3-6976104         3-9713868         4-2250472           2-8851132         3-0564928         3-2471935         3-4680826         3-7018830         3-9762712         4-2915185           2-885132         3-0565938         3-2539184         3-4683676         3-7104558         3-981669

								1
,	77°	78°	<b>7</b> 9°	80°	81°	82°	83°	,
0	4:3314759	4·7046301	5·1445540	5.6712818	6:3137515	7·1153697	8 ·1443464	60
1	4:3372316	4·7113686	5·1525557	5.6809446	6:3256601	7·1304190	8 ·1639786	59
2	4:3430018	4·7181256	5·1605813	5.6906394	6:3376126	7·1455308	8 ·1837041	58
3	4:3487866	4·7249012	5·1686311	5.7003663	6:3496092	7·1607056	8 ·2035239	57
4	4:3545861	4·7316954	5·1767051	5.7101256	6:3616502	7·1759437	8 ·2234384	56
5	4:3604003	4·7385083	5·1848035	5.7199173	6:3737359	7·1912456	8 ·2434485	55
6	4:3662293	4·7453401	5·1929264	5.7297416	6:3858665	7·2066116	8·2635547	54
7	4:3720731	4·7521907	5·2010738	5.7395988	6:3980422	7·2220422	8·2837579	53
8	4:3779317	4·7590603	5·2092459	5.7494889	6:4102633	7·2375378	8·3040586	52
9	4:3838054	4·7659490	5·2174428	5.7594122	6:4225301	7·2530987	8·3244577	51
10	4:3896940	4·7728568	5·2256647	5.7693688	6:4348428	7·2687255	8·3449558	50
11	4·3955977	4 ·7797837	5·2339116	5·7793588	6·4472017	7·2844184	8.3655536	49
12	4·1015164	4 ·7867300	5·2421836	5·7893825	6·4596070	7·3001780	8.3862519	48
13	4·4071504	4 ·7936957	5·2504809	5·7994400	6·4720591	7·3160047	8.4070515	47
14	4·4133996	4 ·8006808	5·2588035	5·8095315	6·4845581	7·3318989	8.4279531	46
15	4·4193641	4 ·8076854	5·2671517	5·8196572	6·4971043	7·3478610	8.4489573	45
16	4·4253439	4.8147096	5·2755255	5.8298172	6:5096981	7:3638916	8:4700651	44
17	4·4313392	4.8217536	5·2839251	5.8400117	6:5223396	7:3799909	8:4912772	43
18	4·4373500	4.8288174	5·2923505	5.8502410	6:5350293	7:3961595	8:5125943	42
19	4·4433762	4.8359010	5·3008018	5.8605051	6:5477672	7:4123978	8:5340172	41
20	4·4494181	4.8430045	5·3092793	5.8708042	6:5605538	7:4287064	8:5555468	40
21	4·4554756	4.8501282	5·3177830	5.8811386	6:5733892	7·4450855	8:5771838	39
22	4·4615489	4.8572719	5·3263131	5.8915084	6:5862739	7·4615357	8:5989290	38
23	4·4676379	4.8644359	5·3348696	5.9019138	6:5992080	7·4780576	8:6207833	37
24	4·4737428	4.8716201	5·3434527	5.9123550	6:6121919	7·4946514	8:6427475	36
25	4·4798636	4.8788248	5·3520626	5.9228322	6:6252258	7·5113178	8:6648223	35
26	4·4860004	4.8860499	5·3606993	5.9333455	6.6383100	7:5280571	8.6870088	34
27	4·4921532	4.8932956	5·3693630	5.9438952	6.6514449	7:5448699	8.7093077	33
28	4·4983221	4.9005620	5·3780538	5.9544815	6.6646307	7:5617567	8.7317198	32
29	4·5045072	4.9078491	5·3867718	5.9651045	6.6778677	7:5787179	8.7542461	31
30	4·5107085	4.9151570	5·3955172	5.9757644	6.6911562	7:5957541	8.7768874	30
31	4·5169261	4 9224859	5·4042901	5:9864614	6.7044966	7·6128657	8·7996446	29
32	4·5231601	4 9298358	5·4130906	5:9971957	6.7178891	7·6300533	8·8225186	28
33	4·5294105	4 9372068	5·4219188	6:0079676	6.7313341	7·6473174	8·8455103	27
34	4·5356773	4 9445990	5·4307750	6:0187772	6.7448318	7·6646584	8·8686206	26
35	4·5419608	4 9520125	5·4396592	6:0296247	6.7583826	7·6820769	8·8918505	25
36	4·5482608	4.9594474	5·4485715	6.0405103	6.7719867	7·6995735	8 •9152009	24
37	4·5545776	4.9669037	5·4575121	6.0514343	6.7856446	7·7171486	8 •9386726	23
38	4·5609111	4.9743817	5·4664812	6.0623967	6.7993565	7·7348028	8 •9622668	22
39	4·5672615	4.9818813	5·4754788	6.0733979	6.8131227	7·7525366	8 •9859843	21
40	4·5736287	4.9894027	5·4845052	6.0844381	6.8269437	7·7703506	9 •0098261	20
41	4·5800129	4 9969459	5·4935604	6.0955174	6.8408196	7·7882453	9·0337933	19
42	4·5864141	5 0045111	5·5026446	6.1066360	6.8547508	7·8062212	9·0578867	18
43	4·5928325	5 0120984	5·5117579	6.1177943	6.8687378	7·8242790	9·0821074	17
44	4·5992680	5 0197078	5·5209005	6.1289923	6.8827807	7·8424191	9·1064564	16
45	4·6057207	5 0273395	5·5300724	6.1402303	6.8968799	7·8606423	9·1309348	15
46	4.6121908	5·0349935	5·5392740	6·1515085	6.9110359	7·8789489	9·1555436	14
47	4.6186783	5·0426700	5·5485052	6·1628272	6.9252489	7·8973396	9·1802838	13
48	4.6251832	5·0503690	5·5577663	6·1741865	6.9395192	7·9158151	9·2051564	12
49	4.6317056	5·0580907	5·5670574	6·1855867	6.9538473	7·9343758	9·2301627	11
50	4.6382457	5·0658352	5·5763786	6·1970279	6.9682335	7·9530224	9·2553035	10
51	4.6448034	5·0736025	5.5857302	6·2085106	6.9826781	7 • 9717555	9·2805802	9
52	4.6513788	5·0813928	5.5951121	6·2200347	6.9971806	7 • 9905756	9·3059936	8
53	4.6579721	5·0892061	5.6045247	6·2316007	7.0117441	8 • 0094835	9·3315450	7
54	4.6645832	5·0970426	5.6139680	6·2432086	7.0263662	8 • 0284796	9·3572355	6
55	4.6712124	5·1049024	5.6234421	6·2548588	7.0410482	8 • 0475647	9·3830663	5
56	4.6778595	5·1127855	5.6329474	6·2665515	7.0557905	8.0667394	9·4090384	4
57	4.6845248	5·1206921	5.6424838	6·2782868	7.0705934	8.0860042	9·4351531	3
58	4.6912083	5·1286224	5.6520516	6·2900651	7.0854573	8.1053599	9·4614116	2
59	4.6979100	5·1365763	5.6616509	6·3018866	7.1003826	8.1248071	9·4878149	1
60	4.7046301	5·1445540	5.6712818	6·3137515	7.1153697	8.1443464	9·5143645	0
'	12°	11°	10°	9°	8° _	7°	6°	1
	VI.							1

'	84°	85°	86°	87°	88°	89°	
0	9.5143645	11.430052	14.300666	19.081137	28.636253	57.289962	6
1	9.5410613	11.468474	14.360696	19.187930	28.877089	58.261174	5
2	9.5679068	11.507154	14.421230	19.295922	29.122005	59.265872	5
3	9.5949022	11.546093	14.482273	19.405133	29.371106	60.305820	5
5	9.6220486 9.6493475	11.585294 11.624761	14.543833 14.605916	19·515584 19·627296	29.624499 29.882299	61·382905 62·499154	5
	9.6768000						
6	9.7044075	11.664495 11.704500	14.668529 14.731679	19.740291 19.854591	30·144619 30·411580	63.656741 64.858008	5
8	9.7321713	11.744779	14.795372	19.970219	30.683307	66.105473	5
9	9.7600927	11.785333	14.859616	20.087199	30.959928	67.401854	5
10	9.7881732	11.826167	14.924417	20.205553	31.241577	68.750087	5
11	9.8164140	11.867282	14.989784	20.325308	31.528392	70.153346	4
12	9.8448166	11.908682	15.055723	20.446486	31.820516	71.615070	4
13	9.8733823	11.950370	15.122242	20.569115	32.118099	73.138991	4
14	9.9021125	11.992349	15.189349	20.693220	32.421295	74 · 729165	4
15	9.9310088	12.034622	15.257052	20.818828	32.730264	76 390009	4
16	9.9600724	12.077192	15.325358	20.945966	33.045178	78.126342	4
17	9.9893050	12.120062	15.394276	21.074664	33.366194	79.943430	4
18	10.018708	12.163236	15.463814	21.204949	33.693509	81.847041	4
19 20	10°048283 10°078031	12·206716 12·250505	15.533981 15.604784	21·336851 21·470401	34·027303 34·367771	83 ·843507 85 ·939791	4
21	10.107954	12:294609	15.676233	21.605630	34.715115	88.143572	3
22 23	10·138054 10·168332	12*339028 12*383768	15·748337 15·821105	21·742569 21·881251	35.069546 35.431282	90°463336 92°908487	3
24	10 10 33 2	12:428831	15.894545	22.021710	35.800553	95.489475	3
25	10.229428	12.474221	15 968667	22.163980	36.177596	98.217943	3
26	10.260249	12.519942	16.043482	22:308097	36.562659	101.10690	3
27	10.291255	12.565997	16.118998	22.454096	36.956001	104 17094	3
28	10.322447	12.612390	16.195225	22.602015	37.357892	107.42648	3
29	10.353827	12.659125	16.272174	22.751892	37.768613	110.89205	3
30	10.385397	12.706205	16:349855	22 903766	38.188459	114.58865	3
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32	10.449112	12.801417	16.507456	23.213666	39.056771	122.77396	2
33	10.481261	12.849557	16.587396	23.371777	39.505895	127:32134	2
34	10.513607	12.898058	16.668112	23.532052	39.965460	132.21851	20
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36	10.578895	12.996160	16.831915	23.859277	40.917412	143-23712	2
37	10.611841	13.045769	16.915025	24.026320	41.410588	149.46502	2
38	10.644992	13.095757	16.998957	24.195714	41.915790	156.25908	2
39	10.678348	13:146127	17:083724	24.367509	42.433464	163.70019	2
40	10.711913	13.196883	17.169337	24.541758	42.964077	171.88540	2
41	10.745687	13-248031	17.255809	24.718512	43.508122	180.93220	1
42	10.779673	19:299574	17:343155	24.897826	44.066113	190.98419	13
43	10.813872 10.848288	13·351518 13·403867	17·431385 17·520516	25·079757 25·2643 <b>61</b>	44.638596 45.226141	202-21875 214-85762	1
15	10.882921	13.456625	17.610559	25.451700	45.829351	229.18166	1 1
				25.641832			
16 17	10.917775 10.952850	13·509799 13·563391	17·701529 17·793442	25.641832 25.834828	46·448862 47·085343	245·55198 264·44080	1
18	10.988150	13 617409	17.886310	26 030736	47.739501	286.47773	1:
19	11.023676	13.671856	17.980150	26.229638	48.412084	312.52137	1
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51	11.095416	13.782060	18-170807	26.636690	49.815726	381 97099	9
52	11.131635	13.837827	18.267654	26.844984	50.548506	429.71757	
53	11.168089	13.894045	18:365537	27.056557	51.303157	491.10600	7
54	11.204780	13.950719	18:464471	27.271486	52.080673	572 95721	(
55	11-241712	14.007856	18.564473	27.489853	52.882109	687.54887	
56	11.278885	14.065459	18.665562	27.711740	53.708587	859.43630	4
57	11.316304	14.123536	18.767754	27.937233	54.561300	1145 9153	3
58	11.353970	14.182092	18.871068	28.166422	55.441517	1718 8732	2
59 60	11·391885 11·430052	14·241134 14·300666	18*975523 19*081137	28·399397 28·636253	56·350590 57·289962	3437.7467 Infinite.	1 0
10	11 100002	14 900000	19 001137	20 000203	31 20990Z	Inmitte.	(
1	5°	4°	3°	2°	1°	0°	,
	-			-	-	0	

'	0°	1°	2°	3°	4°	5°	6°	,
0	1.0000000	1.0001523	1.0006095	1.0013723	1.0024419	1.0038198	1.0055083	60
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2	1.0000002	1.0001627	1.0006300	1.0014030	1.0024829	1.0038711	1.0055699	58
3	1.0000004	1.0001679	1.0006404	1.0014185	1.0025035	1.0038969	1.0056009	57
5	1.0000007	1.0001733 1.0001788	1.0006509 1.0006614	1·0014341 1·0014497	1.0025241 1.0025449	1·0039227 1·0039486	1.0056319 1.0056631	56
6	1.0000015	1.0001843	1.0006721	1.0014655	1.0025658	1.0039747	1.0056943	54 53
7 8	1.0000021 1.0000027	1.0001900 1.0001957	1.0006828 1.0006936	1.0014813 1.0014972	1.0025867 1.0026078	1.0040008 1.0040270	1.0057256 1.0057570	52
9	1.0000034	1.0001957	1.0007045	1.0015132	1.0026289	1.0040533	1.0057885	5
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1	1.0000051	1.0002133	1.0007265	1.0015454	1.0026714	1.0041061	1.0058517	45
2	1.0000061	1.0002194	1.0007376	1.0015617	1.0026928	1.0041326	1.0058834	4
3	1.0000072	1.0002255	1.0007489	1.0015780	1.0027142	1.0041592	1.0059153	4'
4	1.0000083	1.0002317	1.0007602	1.0015944	1.0027358	1.0041859	1.0059472	4
5	1.0000095	1.0002380	1.0007716	1.0016109	1.0027574	1.0042127	1.0059792	4
6	1.0000108	1.0002444	1.0007830	1.0016275	1.0027791	1.0042396	1.0060113	4
7	1.0000122	1.0002509	1.0007946	1.0016442	1.0028009	1.0042666	1.0060435	4
8	1.0000137	1.0002575	1.0008063	1.0016609	1.0028228	1.0042937	1.0060757	4
9	1.0000153	1.0002641	1.0008180	1.0016778	1.0028448	1.0043208	1.0061081	4
0	1.0000169	1.0002708	1.0008298	1.0016947	1.0028669	1.0043480	1.0061405	4
1	1.0000187	1.0002776	1.0008417	1.0017117	1.0028890	1.0043753	1.0061731	3
2	1.0000205	1.0002845	1.0008537	1.0017288	1.0029112	1.0044028	1.0062057	3
3	1.0000224	1.0002915	1.0008658	1.0017460	1.0029336 1.0029560	1.0044302 1.0044578	1.0062384 1.0062712	3
5	1.0000244 1.0000264	1.0002986 1.0003058	1·0008779 1·0008902	1·0017633 1·0017806	1.0029785	1.0044855	1.0063040	3
						1.0045132		
6	1.0000286	1.0003130	1·0009025 1·0009149	1.0017981 1.0018156	1.0030010 1.0030237	1.0045132	1.0063370 1.0063701	3
8	1.0000308 1.0000332	1.0003203	1.0009149	1.0018332	1.0030464	1.0045411	1.0064032	3
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30	1.0000381	1.0003428	1.0009527	1.0018687	1.0030922	1.0046251	1.0064697	3
31	1.0000407	1.0003505	1:0009654	1.0018866	1.0031152	1.0046533	1.0065031	2
32	1.0000433	1.0003582	1.0009783	1.0019045	1.0031383	1.0046815	1.0065366	2
33	1.0000461	1.0003660	1.0009912	1.0019225	1.0031615	1.0047099	1.0065702	2
34	1.0000489	1:0003739	1.0010042	1.0019407	1.0031847	1.0047383	1.0066039	2
35	1.0000518	1.0003820	1.0010173	1.0019589	1.0032081	1.0047669	1.0066376	2
36	1.0000548	1.0003900	1.0010305	1.0019772	1.0032315	1.0047955	1.0066714	2
37	1.0000579	1.0003982	1.0010438	1.0019956	1.0032551	1.0048242	1.0067054	2
38	1.0000611	1.0004065	1.0010571	1.0020140	1.0032787	1.0048530	1.0067394	1 2
39	1.0000644	1.0004148	1.0010705	1.0020326	1.0033024	1-0048819	1.0067735	1 3
10	1.0000677	1.0004232	1.0010841	1.0020512	1.0033261	1.0049108	1.0068077	1 9
41	1.0000711	1.0004317	1.0010977	1.0020699	1.0033500	1.0049399	1.0068419	
42	1.0000746	1.0004403	1.0011114	1.0020887	1.0033740	1.0049690	1.0068763	
43	1.0000782	1.0004490	1.0011251	1.0021076	1·0033980 1·0034221	1.0049982 1.0050275	1.0069108 1.0069453	1
44	1·0000819 1·0000857	1.0004578 1.0004666	1·0011390 1·0011529	1.0021266 1.0021457	1.0034221	1.0050569	1.0069799	1
						1.0050864	1.0070146	
46	1.0000895	1.0004756	1.0011670	1.0021648 1.0021841	1.0034706 1.0034950	1.0050864	1.0070146	
47 48	1.0000935	1.0004846 1.0004937	1.0011811 1.0011953	1.0022034	1.0034930	1.0051456	1.0070843	
49	1.0001016	1.0005029	1.0012096	1.0022228	1.0035440	1.0051754	1.0071193	
50	1.0001058	1.0005121	1.0012239	1.0022423	1.0035687	1.0052052	1.0071544	
51	1.0001101	1.0005215	1.0012384	1.0022619	1.0035934	1.0052351	1.0071895	
52	1.0001144	1.0005309	1.0012529	1.0022815	1.0036182	1.0052651	1.0072248	
53	1.0001189	1.0005405	1.0012676	1.0023013	1.0036431	1.0052952	1.0072601	
54	1.0001234	1.0005501	1.0012823	1.0023211	1.0036681	1.0053254	1.0072955	
55	1.0001280	1.0005598	1.0012971	1.0023410	1.0036932	1.0053557	1.0073310	
56	1.0001327	1.0005696	1.0013120	1.0023610	1.0037183	1.0053860	1.0073666	
57	1.0001375	1.0005794	1.0013269	1.0023811	1.0037436	1.0054164	1.0074023	
58	1.0001423	1.0005894	1.0013420	1.0024013	1.0037689	1:0054470	1.0074380	
59 60	1.0001473 1.0001523	1.0005994	1.0013571 1.0013723	1.0024216 1.0024419	1·0037943 1·0038198	1·0054776 1·0055083	1.0074739 1.0075098	1
,								-
	89°	88°	87°	86°	85°	84°	83°	

,	7°	8°	9°	10°	11°	12°	13°	
0	1:0075098	1:0098276	1.0124651	1.0154266	1.0187167	1.0223406	1.0263041	60
1	1:0075459	1:0098689	1.0125118	1.0154787	1.0187743	1.0224039	1.0263731	59
2	1:0075820	1:0099103	1.0125586	1.0155310	1.0188321	1.0224672	1.0264421	58
3	1:0076182	1:0099518	1.0126055	1.0155833	1.0188899	1.0225307	1.0265113	57
4	1:0076545	1:0099934	1.0126524	1.0156357	1.0189478	1.0225942	1.0265806	56
5	1:0076908	1:0100351	1.0126995	1.0156882	1.0190059	1.0226578	1.0266499	55
6	1.0077273	1.0100769	1.0127466	1.0157408	1.0190640	1.0227216	1.0267194	54
7	1.0077639	1.0101187	1.0127939	1.0157934	1.0191222	1.0227854	1.0267889	53
8	1.0078005	1.0101607	1.0128412	1.0158462	1.0191805	1.0228493	1.0268586	52
9	1.0078372	1.0102027	1.012886	1.0158991	1.0192389	1.0229133	1.0269283	51
10	1.0078741	1.0102449	1.0129361	1.0159520	1.0192973	1.0229774	1.0269982	50
11	1.0079110	1.0102871	1.0129837	1.0160050	1.0193559	1.0230416	1.0270681	49
12	1.0079480	1.0103294	1.0130314	1.0160582	1.0194146	1.0231059	1.0271381	48
13	1.0079851	1.0103718	1.0130791	1.0161114	1.0194734	1.0231703	1.0272082	47
14	1.0080222	1.0104143	1.0131270	1.0161647	1.0195322	1.0232348	1.0272785	46
15	1.0080595	1.0104568	1.0131750	1.0162181	1.0195912	1.0232994	1.0273488	45
16	1:0080968	1.0104995	1.0132230	1.0162716	1.0196502	1.0233641	1.0274192	44
17	1:0081343	1.0105422	1.0132711	1.0163252	1.0197093	1.0234288	1.0274897	43
18	1:0081718	1.0105851	1.0133194	1.0163789	1.0197686	1.0234937	1.0275603	42
19	1:0082094	1.0106280	1.0133677	1.0164327	1.0198279	1.0235587	1.0276310	41
20	1:0082471	1.0106710	1.0134161	1.0164865	1.0198873	1.0236237	1.0277018	40
21	1:0082849	1.0107141	1.0134646	1.0165405	1.0199468	1.0236889	1.0277727	39
22	1:0083228	1.0107573	1.0135132	1.0165946	1.0200064	1.0237541	1.0278437	38
23	1:0083607	1.0108006	1.0135618	1.0166487	1.0200661	1.0238195	1.0279148	37
24	1:0083988	1.0108440	1.0136106	1.0167029	1.0201259	1.0238849	1.0279860	36
25	1:0084369	1.0108875	1.0136595	1.0167573	1.0201858	1.0239504	1.0280573	35
26	1:0084752	1.0109310	1.0137084	1.0168117	1.0202457	1.0240161	1.0281287	34
27	1:0085135	1.0109747	1.0137574	1.0168662	1.0203058	1.0240818	1.0282002	33
28	1:0085519	1.0110184	1.0138066	1.0169208	1.0203660	1.0241476	1.0282717	32
29	1:0085904	1.0110622	1.0138558	1.0169755	1.0204262	1.0242135	1.0283434	31
30	1:0086290	1.0111061	1.0139051	1.0170303	1.0204866	1.0242795	1.0284152	30
31	1.0086676	1·0111501	1·0139545	1.0170851	1.0205470	1.0243456	1.0284871	29
32	1.0087064	1·0111942	1·0140040	1.0171401	1.0206075	1.0244118	1.0285590	28
33	1.0087452	1·0112384	1·0140536	1.0171952	1.0206682	1.0244781	1.0286311	27
34	1.0087842	1·0112827	1·0141032	1.0172503	1.0207289	1.0245445	1.0287033	26
35	1.0088232	1·0113270	1·0141530	1.0173056	1.0207897	1.0246110	1.0287755	25
36	1.0088623	1.0113715	1·0142029	1.0173609	1.0208506	1.0246776	1.0288479	24
37	1.0089015	1.0114160	1·0142528	1.0174163	1.0209116	1.0247442	1.0289203	23
38	1.0089408	1.0114606	1·0143028	1.0174719	1.0209727	1.0248110	1.0289929	22
39	1.0089802	1.0115054	1·0143530	1.0175275	1.0210339	1.0248779	1.0290655	21
40	1.0090196	1.0115502	1·0144032	1.0175832	1.0210952	1.0249448	1.0291383	20
41	1.0090592	1.0115951	1.0144535	1.0176390	1.0211566	1.0250119	1.0292111	19
42	1.0090988	1.0116400	1.0145039	1.0176949	1.0212180	1.0250790	1.0292840	18
43	1.0091386	1.0116851	1.0145544	1.0177509	1.0212796	1.0251463	1.0293571	17
44	1.0091784	1.0117303	1.0146050	1.0178069	1.0213413	1.0252136	1.0294302	16
45	1.0092183	1.0117755	1.0146556	1.0178631	1.0214030	1.0252811	1.0295034	15
46	1.0092583	1.0118209	1.0147064	1.0179194	1.0214649	1.0253486	1.0295768	14
47	1.0092984	1.0118663	1.0147572	1.0179757	1.0215268	1.0254162	1.0296502	13
48	1.0093386	1.0119118	1.0148082	1.0180321	1.0215888	1.0254839	1.0297237	12
49	1.0093788	1.0119575	1.0148592	1.0180887	1.0216510	1.0255518	1.0297973	11
50	1.0094192	1.0120032	1.0149103	1.0181453	1.0217132	1.0256197	1.0298711	10
51	1.0094596	1.0120489	1.0149616	1.0182020	1.0217755	1.0256877	1.0299449	9
52	1.0095001	1.0120948	1.0150129	1.0182588	1.0218379	1.0257558	1.0300188	8
53	1.0095408	1.0121408	1.0150643	1.0183158	1.0219004	1.0258240	1.0300928	7
54	1.0095815	1.0121869	1.0151158	1.0183728	1.0219630	1.0258923	1.0301669	6
55	1.0096223	1.0122330	1.0151673	1.0184298	1.0220257	1.0259607	1.0302411	5
56	1.0096631	1.0122793	1.0152190	1.0184870	1.0220885	1.0260292	1.0303154	4
57	1.0097041	1.0123256	1.0152708	1.0185443	1.0221514	1.0260978	1.0303898	3
58	1.0097452	1.0123720	1.0153226	1.0186017	1.0222144	1.0261665	1.0304643	2
59	1.0097863	1.0124185	1.0153746	1.0186591	1.0222774	1.0262352	1.0305389	1
60	1.0098276	1.0124651	1.0154266	1.0187167	1.0223406	1.0263041	1.0306136	0
'	82°	81°	80°	79°	78°	77°	76°	'

,	14°	15°	16°	17°	18°	19°	20°	
0	1.0306136	1.0352762	1.0402994	1.0456918	1.0514622	1.0576207	1 0641778	60
1	1.0306884	1.0353569	1.0403863	1.0457848	1.0515617	1.0577267	1 0642905	59
2	1.0307633	1.0354378	1.0404732	1.0458780	1.0516612	1.0578328	1 0644033	58
3	1.0308383	1.0355187	1.0405602	1.0459712	1.0517608	1.0579390	1 0645163	57
4	1.0309134	1.0355998	1.0406473	1.0460646	1.0518606	1.0580453	1 0646294	56
5	1.0309886	1.0356809	1.0407346	1.0461581	1.0519605	1.0581517	1 0647425	55
6	1.0310639	1.0357621	1 0408219	1:0462516	1.0520604	1.0582583	1.0648558	54
7	1.0311393	1.0358435	1 0409094	1:0463453	1.0521605	1.0583649	1.0649693	53
8	1.0312147	1.0359249	1 0409969	1:0464391	1.0522607	1.0584717	1.0650828	52
9	1.0312903	1.0360065	1 0410845	1:0465330	1.0523610	1.0585786	1.0651964	51
10	1.0313660	1.0360881	1 0411723	1:0466270	1.0524614	1.0586855	1.0653102	50
11	1.0314418	1.0361699	1.0412601	1.0467211	1.0525619	1.0587926	1.0654240	49
12	1.0315177	1.0362517	1.0413481	1.0468153	1.0526625	1.0588999	1.0655380	48
13	1.0315936	1.0363337	1.0414362	1.0469096	1.0527633	1.0590072	1.0656521	47
14	1.0316697	1.0364157	1.0415243	1.0470040	1.0528641	1.0591146	1.0657663	46
15	1.0317459	1.0364979	1.0416126	1.0470986	1.0529651	1.0592221	1.0658807	45
16	1.0318222	1.0365801	1.0417009	1.0471932	1.0530661	1.0593298	1.0659951	44
17	1.0318985	1.0366625	1.0417894	1.0472879	1.0531673	1.0594376	1.0661097	43
18	1.0319750	1.0367449	1.0418780	1.0473828	1.0532686	1.0595454	1.0662243	42
19	1.0320516	1.0368275	1.0419667	1.0474777	1.0533699	1.0596534	1.0663391	41
20	1.0321282	1.0369101	1.0420554	1.0475728	1.0534714	1.0597615	1.0664540	40
21	1.0322050	1.0369929	1.0421443	1.0476679	1.0535730	1.0598697	1.0665690	39
22	1.0322818	1.0370757	1.0422333	1.0477632	1.0536747	1.0599781	1.0666842	38
23	1.0323588	1.0371587	1.0423224	1.0478586	1.0537765	1.0600865	1.0667994	37
24	1.0324359	1.0372417	1.0424116	1.0479540	1.0538785	1.0601951	1.0669148	36
25	1.0325130	1.0373249	1.0425009	1.0480496	1.0539805	1.0603037	1.0670302	35
26	1.0325903	1.0374082	1.0425903	1.0481453	1.0540826	1.0604125	1.0671458	34
27	1.0326676	1.0374915	1.0426798	1.0482411	1.0541849	1.0605214	1.0672615	33
28	1.0327451	1.0375750	1.0427694	1.0483370	1.0542873	1.0606304	1.0673774	32
29	1.0328227	1.0376585	1.0428591	1.0484330	1.0543897	1.0607395	1.0674933	31
30	1.0329003	1.0377422	1.0429489	1.0485291	1.0544923	1.0608487	1.0676094	30
31	1.0329781	1.0378260	1.0430388	1.0486253	1.0545950	1.0609580	1.0677255	29
32	1.0330559	1.0379098	1.0431289	1.0487217	1.0546978	1.0610675	1.0678418	28
33	1.0331339	1.0379938	1.0432190	1.0488181	1.0548007	1.0611770	1.0679582	27
34	1.0332119	1.0380779	1.0433092	1.0489146	1.0549037	1.0612867	1.0680747	26
35	1.0332901	1.0381621	1.0433995	1.0490113	1.0550068	1.0613965	1.0681914	25
36	1.0333683	1.0382463	1.0434900	1.0491080	1.0551101	1.0615064	1.0683081	24
37	1.0334467	1.0383307	1.0435805	1.0492049	1.0552134	1.0616164	1.0684250	23
38	1.0335251	1.0384152	1.0436712	1.0493019	1.0553169	1.0617265	1.0685420	22
39	1.0336037	1.0384998	1.0437619	1.0493989	1.0554204	1.0618367	1.0686591	21
40	1.0336823	1.0385844	1.0438528	1.0494961	1.0555241	1.0619471	1.0687763	20
41	1.0337611	1.0386692	1.0439437	1.0495934	1.0556279	1.0620575	1.0688936	19
42	1.0338399	1.0387541	1.0440348	1.0496908	1.0557318	1.0621681	1.0690110	18
43	1.0339188	1.0388391	1.0441259	1.0497883	1.0558358	1.0622788	1.0691286	17
44	1.0339979	1.0389242	1.0442172	1.0498859	1.0559399	1.0623896	1.0692463	16
45	1.0340770	1.0390094	1.0443086	1.0499836	1.0560441	1.0625005	1.0693641	15
46	1.0341563	1.0390947	1.0444001	1.0500815	1.0561485	1.0626115	1.0694820	14
47	1.0342356	1.0391800	1.0444917	1.0501794	1.0562529	1.0627227	1.0696000	13
48	1.0343151	1.0392655	1.0445833	1.0502774	1.0563575	1.0628339	1.0697182	12
49	1.0343946	1.0393511	1.0446751	1.0503756	1.0564621	1.0629453	1.0698364	11
50	1.0344743	1.0394368	1.0447670	1.0504738	1.0565669	1.0630568	1.0699548	10
51	1.0345540	1.0395226	1.0448590	1.0505722	1.0566718	1.0631684	1.0700733	9
52	1.0346338	1.0396085	1.0449511	1.0506706	1.0567768	1.0632801	1.0701919	8
53	1.0347138	1.0396945	1.0450433	1.0507692	1.0568819	1.0633919	1.0703106	7
54	1.0347938	1.0397806	1.0451357	1.0508679	1.0569871	1.0635038	1.0704295	6
55	1.0348740	1.0398669	1.0452281	1.0509667	1.0570924	1.0636158	1.0705484	5
56 57 58 59 60	1.0349542 1.0350346 1.0351150 1.0351955 1.0352762	1.0399532 1.0400396 1.0401261 1.0402127 1.0402994	1.0453206 1.0454132 1.0455060 1.0455988 1.0456918	1.0510656 1.0511646 1.0512637 1.0513629 1.0514622	1.0571978 1.0573034 1.0574090 1.0575148 1.0576207	1.0637280 1.0638403 1.0639527 1.0640652 1.0641778	1.0706675 1.0707867 1.0709060 1.0710254 1.0711450	3 2 1 0
-	75°	74°	73°	72°	71°	70°	69°	1.

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,	21°	22°	23°	24°	25°	26°	27°	,
0	1.0711450	1.0785347	1.0863604	1.0946363	1:1033779	1·1126019	1·1223262	60
1	1.0712647	1.0786616	1.0864946	1.0947781	1:1035277	1·1127599	1·1224927	59
2	1.0713844	1.0787885	1.0866289	1.0949201	1:1036775	1·1129179	1·1226592	58
3	1.0715043	1.0789156	1.0867634	1.0950622	1:1038275	1·1130761	1·1228259	57
4	1.0716244	1.0790427	1.0868979	1.0952044	1:1039777	1·1132345	1·1229928	56
6 7 8 9	1.0717445 1.0718647 1.0719851 1.0721056 1.0722262 1.0723469	1.0791700 1.0792975 1.0794250 1.0795527 1.0796805 1.0798084	1.0870326 1.0871675 1.0873024 1.0874375 1.0875727 1.0877080	1.0953467 1.0954892 1.0956318 1.0957746 1.0959174 1.0960604	1·1041279 1·1042783 1·1044289 1·1045795 1·1047803 1·1048813	1·1133929 1·1135516 1·1137103 1·1138692 1·1140282 1·1141874	1·1231598 1·1233269 1·1234942 1·1236616 1·1238292 1·1239969	55 54 53 52 51 50
11	1.0724678	1.0799364	1.0878435	1.0962036	1.1050324	1·1143467	1·1241648	49
12	1.0725887	1.0800646	1.0879791	1.0963468	1.1051836	1·1145062	1·1243328	48
13	1.0727098	1.0801928	1.0881148	1.0964902	1.1053349	1·1146658	1·1245010	47
14	1.0728310	1.0803212	1.0882506	1.0960337	1.1054864	1·1148255	1·1246693	46
15	1.0729523	1.0804497	1.0883866	1.0967774	1.1056380	1·1149854	1·1248377	45
16	1.0730737	1 0805784	1.0885226	1.0969212	1·1057898	1·1151454	1·1250063	44
17	1.0731953	1 0807071	1.0886589	1.0970651	1·1059417	1·1158056	1·1251750	43
18	1.0733170	1 0808360	1.0887952	1.0972091	1·1060937	1·1154659	1·1253439	42
19	1.0734388	1 0809650	1.0889317	1.0973533	1·1062458	1·1156263	1·1255130	41
20	1.0735607	1 0810942	1.0890682	1.0974976	1·1063981	1·1157869	1·1256821	40
21	1.0736827	1.0812234	1.0892050	1.0976420	1.1065506	1·1159476	1·1258514	39
22	1.0738048	1.0813528	1.0893418	1.0977866	1.1067031	1·1161084	1·1260209	38
23	1.0739271	1.0814823	1.0894788	1.0979318	1.1068558	1·1162694	1·1261905	37
24	1.0740495	1.0816119	1.0896159	1.0980761	1.1070087	1·1164306	1·1263603	36
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32 33 34	1.1378932	1.1489555	1.1605921	1.1728277	1.1856890	1.1992049	1.2134064	30
33 34	1.1380730	1.1491447	1.1607911	1.1730368	1.1859089	1.1994359	1.2136491	29
34	1.1382529	1.1493340	1.1609902	1.1732462	1.1861289	1.1996671	1.2138920	28
	1·1384330 1·1386133	1·1495235 1·1497132	1·1611894 1·1613889	1·1734557 1·1736653	1·1863490 1·1865694	1·1998985 1·2001300	1·2141351 1·2143784	27 26
00	1.1387937	1.1499030	1.1615885	1.1738752	1.1867900	1.2003618	1.2146218	25
36	1.1389742	1.1500930	1.1617883	1.1740852	1.1870107	1.2005937	1.2148655	24
37	1.1391550	1.1502831	1.1619882	1.1742954	1.1872316	1.2008258	1.2151094	23
38	1·1393358 1·1395169	1·1504734 1·1506638	1·1621883 1·1623886	1.1745058	1.1874527	1·2010582 1·2012907	1 · 2153535 1 · 2155978	22
40	1.1396980	1.1508544	1.1625891	1·1747163 1·1749270	1.1876740 1.1878954	1.2015234	1.2158423	21 20
41	1.1398794	1.1510452	1.1627897	1.1751379	1.1881171	1.2017563	1.2160870	19
42	1.1400608	1.1512361	1.1629905	1.1753490	1.1883389	1.2019894	1.2163319	18
43	1.1402425	1.1514272	1.1631914	1.1755603	1.1885609	1.2022226	1.2165770	17
44	1·1404243 1·1406062	1·1516185 1·1518099	1·1633925 1·1635938	1·1757717 1·1759833	1·1887831 1·1890055	1 · 2024561 1 · 2026898	1·2168223 1·2170678	16
	1.1407883	1.1520015						
46	1.1407883	1.1521015	1·1637953 1·1639969	1·1761951 1·1764070	1·1892280 1·1894508	1·2029236 1·2031577	1·2173135 1·2175594	14
48	1.1411530	1.1523851	1.1641987	1.1766191	1.1896737	1.2033919	1.2178055	12
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	1·1417012 1·1418842	1·1529618 1·1531543	1:1648051	1.1772566	1.1903436	1·2040958 1·2043308	1.2185450	9
	1.1418842	1.1531543	1·1650076 1·1652102	1·1774694 1·1776824	1·1905673 1·1907911	1.2043308	1·2187919 1·2190390	8 7
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55	1.1424342	1.1537329	1.1656160	1.1781089	1.1912394	1.2050370	1.2195339	5
	1.1426179	1.1539261	1.1658191	1.1783225	1.1914638	1.2052728	1.2197816	4
57		1·1541195 1·1543130	1·1660224 1·1662259	1.1785362	1:1916884	1.2055088 1.2057450	1·2200296 1·2202777	3 2
	1.1428017	1.1545167	1.1664296	1·1787501 1·1789642	1·1919132 1·1921381	1 2057450	1.2202777	1
		1.1547005	1.1666334	1.1791784	1.1923633	1.2062179	1.2207746	0
,	1·1428017 1·1429857	_ 101,000						
	1·1428017 1·1429857 1·1431698	60°	59°	58°	57°	56°	55°	1

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2	1·2212723	1·2365909	1.2526850	1·2695955	1.2873663	1·3060451	1·3256837	58
3	1·2215215	1·2368526	1.2529601	1·2698845	1.2876700	1·3063644	1·3260194	57
4	1·2217708	1·2371146	1.2532353	1·2701737	1.2879740	1·3066839	1·3263554	56
5	1°2220204	1·2373768	1·2535108	1·2704632	1·2882782	1·3070038	1·3266918	55
6	1°2222702	1·2376393	1·2537865	1·2707529	1·2885827	1·3073239	1·3270284	54
7	1°2225202	1·2379019	1·2540625	1·2710429	1·2888875	1·3076442	1·3273653	53
8	1.2227703	1·2381647	1·2543387	1·2713331	1·2891925	1·3079649	1·3277024	52
9	1.2230207	1·2384278	1·2546151	1·2716235	1·2894977	1·3082858	1·3280399	51
10	1.2232713	1·2386911	1·2548917	1·2719142	1·2898032	1·3086069	1·3283776	50
11	1 · 2235222	1·2389546	1.2551685	1·2722052	1·2901090	1·3089284	1·3287156	49
12	1 · 2237732	1·2392183	1.2554456	1·2724963	1·2904150	1·3092501	1·3290539	48
13	1 · 2240244	1·2394823	1.2557229	1·2727877	1·2907213	1·3095720	1·3293925	47
14	1 · 2242758	1·2397464	1.2560005	1·2730794	1·2910278	1·3098943	1·3297314	46
15	1 · 2245274	1·2400108	1.2562782	1·2733712	1·2913346	1·3102168	1·3300706	45
16	1 · 2247793	1·2402754	1.2565562	1·2736634	1·2916416	1·3105396	1:3304100	44
17	1 · 2250313	1·2405402	1.2568345	1·2739557	1·2919489	1·3108626	1:3307497	43
18	1 · 2252836	1·2408052	1.2571129	1·2742484	1·2922564	1·3111860	1:3310897	42
19	1 · 2255361	1·2410704	1.2573916	1·2745412	1·2925642	1·3115095	1:3314301	41
20	1 · 2257887	1·2413359	1.2576705	1·2748343	1·2928723	1·3118334	1:3317707	40
21	1·2260416	1.2416016	1·2579497	1.2751276	1·2931806	1:3121575	1·3321115	39
22	1·2262947	1.2418675	1·2582291	1.2754212	1·2934892	1:3124820	1·3324527	38
23	1·2265480	1.2421336	1·2585087	1.2757151	1·2937980	1:3128066	1·3327942	37
24	1·2268015	1.2423999	1·2587885	1.2760091	1·2941071	1:3131316	1·3331359	36
25	1·2270552	1.2426665	1·2590686	1.2763034	1·2944164	1:3134568	1·3334779	35
26	1 · 2273091	1·2429333	1·2593489	1.2765980	1 · 2947260	1 ·3137823	1·3338203	34
27	1 · 2275633	1·2432003	1·2596294	1.2768928	1 · 2950359	1 ·3141081	1·3341629	33
28	1 · 2278176	1·2434675	1·2599102	1.2771878	1 · 2953460	1 ·3144341	1·3345058	32
29	1 · 2280722	1·2437349	1·2601912	1.2774831	1 · 2956564	1 ·3147604	1·3348489	31
30	1 · 2283269	1·2440026	1·2604724	1.2777787	1 · 2959670	1 ·3150870	1·3351924	30
31	1·2285819	1 · 2442704	1 · 2607539	1.2780744	1·2962779	1:3154139	1:3355362	29
32	1·2288371	1 · 2445385	1 · 2610356	1.2783705	1·2965890	1:3157410	1:3358802	28
33	1·2290924	1 · 2448069	1 · 2613175	1.2786667	1·2969004	1:3160684	1:3362246	27
34	1·2293480	1 · 2450754	1 · 2615997	1.2789632	1·2972121	1:3163961	1:3365692	26
35	1·2296039	1 · 2453442	1 · 2618820	1.2792600	1·2975240	1:3167240	1:3369141	25
36	1·2298599	1·2456131	1 · 2621647	1.2795570	1·2978362	1·3170523	1·3372594	24
37	1·2301161	1·2458823	1 · 2624475	1.2798543	1·2981487	1·3173808	1·3376049	23
38	1·2303725	1·2461518	1 · 2627306	1.2801518	1·2984614	1·3177096	1·3379507	22
39	1·2306292	1·2464214	1 · 2630140	1.2804495	1·2987743	1·3180386	1·3382968	21
40	1·2308861	1·2466913	1 · 2632975	1.2807475	1·2990876	1·3183680	1·3386432	20
41	1·2311432	1.2469614	1 · 2635813	1 · 2810457	1·2994011	1·3186976	1·3389898	19
42	1·2314004	1.2472317	1 · 2638653	1 · 2813442	1·2997148	1·3190274	1·3393368	18
43	1·2316579	1.2475022	1 · 2641496	1 · 2816430	1·3000288	1·3193576	1·3396841	17
44	1·2319156	1.2477730	1 · 2644341	1 · 2819419	1·3003431	1·3196881	1·3400316	16
45	1·2321736	1.2480440	1 · 2647188	1 · 2822412	1·3006576	1·3200188	1·3403795	15
46	1·2324317	1.2483152	1 · 2650038	1.2825407	1:3009724	1·3203498	1·3407276	14
47	1·2326900	1.2485866	1 · 2652890	1.2828404	1:3012875	1·3206810	1·3410761	13
48	1·2329486	1.248583	1 · 2655745	1.2831404	1:3016028	1·3210126	1·3414248	12
49	1·2332074	1.2491302	1 · 2658601	1.2834406	1:3019184	1·3213444	1·3417738	11
50	1·2334664	1.2494023	1 · 2661460	1.2837411	1:3022343	1·3216765	1·3421232	10
51	1·2337256	1*2496746	1 ·2664322	1.2840418	1:3025504	1*3220089	1·3424728	9
52	1·2339850	1*2499471	1 ·2667186	1.2843428	1:3028667	1*3223416	1·3428227	8
53	1·2342446	1*2502199	1 ·2670052	1.2846440	1:3031834	1*3226745	1·3431729	7
54	1·2345044	1*2504929	1 ·2672921	1.2849455	1:3035003	1*3230078	1·3435234	6
55	1·2347645	1*2507661	1 ·2675792	1.2852472	1:3038175	1*3233413	1·3438742	5
56	1.2350248	1·2510396	1·2678665	1·2855492	1:3041349	1·3236750	1·3442253	4
57	1.2352852	1·2513133	1·2681541	1·2858514	1:3044526	1·3240091	1·3445767	3
58	1.2355459	1·2515872	1·2684419	1·2861539	1:3047706	1·3243435	1·3449284	2
59	1.2358069	1·2518613	1·2687299	1·2864566	1:3050888	1·3246781	1·3452804	1
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1	54°	53°	52°	51°	50°	49°	48°	1

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2	1:3463382	1:3680699	1·3905453	1.4150370	1·4404246	1·4671948	1:4954431	58
3	1:3466914	1:3684416	1·3913366	1.4154493	1·4408592	1·4676532	1:4959270	57
4	1:3470449	1:3688136	1·3917283	1.4158619	1·4412941	1·4681120	1:4964113	56
5	1:3473987	1:3691859	1·3921203	1.4162749	1·4417295	1·4685713	1:4968961	55
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7	1:3481072	1·3699315	1·3929054	1.4171020	1:4426013	1:4694910	1·4978670	53
8	1:3484619	1·3703048	1·3932985	1.4175161	1:4430379	1:4699514	1·4983531	52
9	1:3488168	1·3706784	1·3936918	1.4179306	1:4434748	1:4704123	1·4988397	51
10	1:3491721	1·3710523	1·3940856	1.4183454	1:4439120	1:4708736	1·4993267	50
11	1·3495277	1·3714266	1:3944796	1:4187605	1·4443497	1:4713354	1:4998141	49
12	1·3498836	1·3718011	1:3948740	1:4191761	1·4447878	1:4717975	1:5003020	48
13	1·3502398	1·3721760	1:3952688	1:4195920	1·4452262	1:4722600	1:5007903	47
14	1·3505963	1·3725512	1:3956639	1:4200082	1·4456651	1:4727230	1:5012791	46
15	1·3509531	1·3729268	1:3960593	1:4204248	1·4461043	1:4731864	1:5017683	45
16	1·3513102	1·3733026	1·3964551	1·4208418	1.4465439	1:4736502	1:5022580	44
17	1·3516677	1·3736788	1·3968512	1·4212592	1.4469839	1:4741144	1:5027481	43
18	1·3520254	1·3740553	1·3972477	1·4216769	1.4474243	1:4745790	1:5032387	42
19	1·3523834	1·3744321	1·3976445	1·4220950	1.4478651	1:4750440	1:5037297	41
20	1·3527417	1·3748092	1·3980416	1·4225134	1.4483063	1:4755095	1:5042211	40
21	1·3531003	1:3751867	1:3984391	1·4229323	1:4487478	1.4759754	1:5047131	39
22	1·3534593	1:3755645	1:3988369	1·4233514	1:4491898	1.4764417	1:5052054	38
23	1·3538185	1:3759426	1:3992351	1·4237710	1:4496322	1.4769084	1:5056982	37
24	1·3541780	1:3763210	1:3996336	1·4241909	1:4500749	1.4773755	1:5061915	36
25	1·3545379	1:3766998	1:4000325	1·4246112	1:4505181	1.4778431	1:5066852	35
26	1:3548980	1·3770789	1:4004317	1·4250319	1.4509616	1.4783111	1:5071793	34
27	1:3552585	1·3774583	1:4008313	1·4254529	1.4514055	1.4787795	1:5076739	33
28	1:3556193	1·3778380	1:4012312	1·4258743	1.4518498	1.4792483	1:5081690	32
29	1:3559803	1·3782181	1:4016315	1·4262961	1.4522946	1.4797176	1:5086645	31
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31	1·3567034	1:3789792	1:4024330	1·4271407	1.4531852	1·4806573	1.5096569	29
32	1·3570654	1:3793602	1:4028343	1·4275636	1.4536311	1·4811278	1.5101538	28
33	1·3574277	1:3797416	1:4032360	1·4279868	1.4540774	1·4815988	1.5106511	27
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35	1·3581532	1:3805053	1:4040403	1·4288345	1.4549712	1·4825420	1.5116472	25
36	1:3585164	1:3808877	1:4044430	1·4292588	1.4554187	1.4830142	1.5121459	24
37	1:3588800	1:3812704	1:4048461	1·4296836	1.4558666	1.4834868	1.5126450	23
38	1:3592438	1:3816534	1:4052494	1·4301087	1.4563149	1.4839599	1.5131446	22
39	1:3596080	1:3820367	1:4056532	1·4305342	1.4567636	1.4844334	1.5136447	21
40	1:3599725	1:3824204	1:4060573	1·4309600	1.4572127	1.4849073	1.5141452	20
41	1.3603372	1·3828044	1:4064617	1·4313863	1.4576621	1.4853817	1.5146462	19
42	1.3607023	1·3831887	1:4068665	1·4318129	1.4581120	1.4858565	1.5151477	18
43	1.3610677	1·3835734	1:4072717	1·4322399	1.4585623	1.4863317	1.5156496	17
44	1.3614334	1·3839584	1:4076772	1·4326672	1.4590130	1.4868073	1.5161520	16
45	1.3617995	1·3843437	1:4080831	1·4330950	1.4594641	1.4872834	1.5166548	15
46	1 · 3621658	1.3847294	1:4084893	1.4335231	1.4599156	1.4877599	1.5171581	14
47	1 · 3625324	1.3851153	1:4088958	1.4339516	1.4603675	1.4882369	1.5176619	13
48	1 · 3628994	1.3855017	1:4093028	1.4343805	1.4608198	1.4887142	1.5181661	12
49	1 · 3632667	1.3858883	1:4097100	1.4348097	1.4612726	1.4891920	1.5186708	11
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53	1:3647389	1:3874383	1·4113427	1.4365305	1.4630875	1·4911076	1.5206942	7
54	1:3651078	1:3878266	1·4117517	1.4369616	1.4635422	1·4915876	1.5212012	6
55	1:3654770	1:3882153	1·4121612	1.4373932	1.4639973	1·4920680	1.5217087	5
56	1:3658464	1.3886043	1.4125709	1:4378251	1:4644529	1·4925488	1.5222166	4
57	1:3662162	1.3889936	1.4129810	1:4382574	1:4649089	1·4930301	1.5227250	3
58	1:3665863	1.3893832	1.4133915	1:4386900	1:4653652	1·4935118	1.5232339	2
59	1:3669567	1.3897733	1.4138024	1:4391231	1:4658220	1·4939940	1.5237433	1
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2	1:5252741	1.5568085	1.5901584	1.6254799	1.6629243	1·7026653	1.7448969	58
3	1:5257854	1.5573441	1.5907306	1.6260861	1.6635673	1·7033482	1.7456230	57
4	1:5262971	1.5578852	1.5913033	1.6266929	1.6642110	1·7040318	1.7463499	56
5	1:5268093	1.5584268	1.5918766	1.6273003	1.6648553	1·7047160	1.7470776	55
6	1.5273219	1.5589689	1.5924504	1.6279083	1.6655002	1.7054010	1.7478060	54
7	1.5278351	1.5595115	1.5930247	1.6285169	1.6661458	1.7060867	1.7485352	53
8	1.5283487	1.5600546	1.5935996	1.6291261	1.6667920	1.7067730	1.7492651	52
9	1.5288627	1.5605982	1.5941751	1.6297359	1.6674389	1.7074601	1.7499958	51
10	1.5293773	1.5611424	1.5947511	1.6303462	1.6680864	1.7081478	1.7507273	50
11	1.5298923	1.5616871	1:5953276	1.6309572	1.6687345	1.7088362	1.7514595	49
12	1.5304078	1.5622322	1:5959048	1.6315688	1.6693833	1.7095254	1.7521924	48
13	1.5309238	1.5627779	1:5964824	1.6321809	1.6700328	1.7102152	1.7529262	47
14	1.5314403	1.5633241	1:5970606	1.6327937	1.6706828	1.7109058	1.7536607	46
15	1.5319572	1.5638708	1:5976394	1.6334070	1.6713336	1.7115970	1.7543959	45
16	1.5324746	1.5644181	1.5982187	1.6340210	1.6719850	1.7122890	1.7551320	44
17	1.5329925	1.5649658	1.5987986	1.6346355	1.6726370	1.7129817	1.7558687	43
18	1.5335109	1.5655141	1.5993790	1.6352507	1.6732897	1.7136750	1.7566063	42
19	1.5340297	1.5660628	1.5999600	1.6358664	1.6739430	1.7143691	1.7573446	41
20	1.5345491	1.5666121	1.6005416	1.6364828	1.6745970	1.7150639	1.7580837	40
21	1.5350689	1.5671619	1.6011237	1.6370997	1.6752517	1.7157594	1.7588236	39
22	1.5355892	1.5677123	1.6017064	1.6377173	1.6759070	1.7164556	1.7595642	38
23	1.5361100	1.5682631	1.6022896	1.6383355	1.6765629	1.7171525	1.7603057	37
24	1.5366313	1.5688145	1.6028734	1.6389542	1.6772195	1.7178501	1.7610478	36
25	1.5371530	1.5693664	1.6034577	1.6395736	1.6778768	1.7185484	1.7617908	35
26	1.5376752	1.5699188	1.6040426	1.6401936	1.6785347	1.7192475	1.7625345	34
27	1.5381980	1.5704717	1.6046281	1.6408142	1.6791933	1.7199472	1.7632791	33
28	1.5387212	1.5710252	1.6052142	1.6414354	1.6798525	1.7206477	1.7640244	32
29	1.5392449	1.5715792	1.6058008	1.6420572	1.6805124	1.7213489	1.7647704	31
30	1.5397690	1.5721337	1.6063879	1.6426796	1.6811730	1.7220508	1.7655173	30
31	1.5402937	1.5726887	1:6069757	1.6433027	1.6818342	1.7227534	1.7662649	29
32	1.5408189	1.5732443	1:6075640	1.6439263	1.6824961	1.7234568	1.7670133	28
33	1.5413445	1.5735004	1:6081528	1.6445506	1.6831586	1.7241609	1.7677625	27
34	1.5418706	1.5743570	1:6087423	1.6451754	1.6838219	1.7248657	1.7685125	26
35	1.5423973	1.5749141	1:6093323	1.6458009	1.6844857	1.7255712	1.7692633	25
36	1.5429244	1.5754718	1.6099228	1.6464270	1.6851503	1.7262774	1.7700149	24
37	1.5434520	1.5760300	1.6105140	1.6470537	1.6858155	1.7269844	1.7707672	23
38	1.5439801	1.5765887	1.6111057	1.6476811	1.6864814	1.7276921	1.7715204	22
39	1.5445087	1.5771479	1.6116980	1.6483090	1.6871479	1.7284005	1.7722743	21
40	1.5450378	1.5777077	1.6122908	1.6489376	1.6878151	1.7291096	1.7730290	20
41	1.5455673	1.5782680	1.6128843	1.6495668	1.6884830	1.7298195	1.7737845	19
42	1.5460974	1.5788289	1.6134783	1.6501966	1.6891516	1.7305301	1.7745409	18
43	1.5466280	1.5793902	1.6140728	1.6508270	1.6898208	1.7312414	1.7752980	17
44	1.5471590	1.5799521	1.6146680	1.6514581	1.6904907	1.7319535	1.7760559	16
45	1.5476906	1.5805146	1.6152637	1.6520898	1.6911613	1.7326663	1.7768146	15
46	1.5482226	1.5810776	1.6158600	1.6527221	1.6918326	1.7333798	1.7775741	14
47	1.5487552	1.5816411	1.6164569	1.6533550	1.6925045	1.7340941	1.7783344	13
48	1.5492882	1.5822051	1.6170544	1.6539885	1.6931771	1.7348091	1.7790955	12
49	1.5498218	1.5827697	1.6176524	1.6546227	1.6938504	1.7355248	1.7798574	11
50	1.5503558	1.5833348	1.6182510	1.6552575	1.6945244	1.7362413	1.7806201	10
51	1.5508904	1.5839005	1.6188502.	1.6558929	1.6951990	1.7369585	1.7813836	9
52	1.5514254	1.5844667	1.6194500	1.6565290	1.6958744	1.7376764	1.7821479	8
53	1.5519610	1.5850334	1.6200504	1.6571657	1.6965504	1.7383951	1.7829131	7
54	1.5524970	1.5856007	1.6206513	1.6578030	1.6972271	1.7391145	1.7836790	6
55	1.5530335	1.5861685	1.6212528	1.6584409	1.6979044	1.7398347	1.7844457	5
56	1.5535706	1.5867369	1.6218549	1.6590795	1.6985825	1.7405556	1.7852133	4
57	1.5541081	1.5873058	1.6224576	1.6597187	1.6992612	1.7412773	1.7859817	3
58	1.5546462	1.5878752	1.6230609	1.6603586	1.6999407	1.7419997	1.7867508	2
59	1.5551848	1.5884452	1.6236648	1.6609990	1.7006208	1.7427229	1.7875208	1
60	1.5557238	1.5890157	1.6242692	1.6616401	1.7013016	1.7434468	1.7882916	0
1	40°	39°	38°	37°	36°	35°	34°	

,	56°	57°	58°	59°	60°	61°	62°	,
0 1	1.7882916 1.7890633	1.8360785 1.8369013	1.8870799 1.8879589	1.9416040 1.9425445	2.0000000 2.0010083	2*0626653 2*0637484	2·1300545 2·1312205	60 59
2	1.7898357	1.8377251	1.8888388	1.9434861	2.0020177	2.0648328	2.1323880	58
3 4	1.7906090 1.7913831	1.8385498 1.8393753	1.8897197 1.8906016	1.9444288	2·0030283 2·0040402	2.0659186 2.0670056	2·1335570 2·1347274	57   56
5	1.7921580	1.8402018	1.8914845	1.9463173	2.0050532	2.0680940	2.1358993	55
6	1.7929337	1.8410292	1.8923684	1.9472632	2.0060674	2.0691836	2.1370726	54
8	1·7937102 1·7944876	1.8418574 1.8426866	1.8932532 1.8941391	1.9482102 1.9491583	2.0070828 2.0080994	2·0702746 2·0713670	2·1382475 2·1394238	53 52
9	1.7952658	1.8435166	1.8950259	1.9501075	2.0091172	2.0724606	2.1406015	51
10	1.7960449	1.8443476	1.8959138	1.9510577	2.0101362	2.0735556	2.1417808	50
11 12	1.7968247 1.7976054	1.8451795 1.8460123	1.8968026 1.8976924	1.9520091 1.9529615	2·0111564 2·0121779	2·0746519 2·0757496	2·1429615 2·1441438	49
13	1.7983869	1.8468460	1.8985832	1.9539150	2.0132005	2.0768486	2.1453275	47
14	1·7991693 1·7999524	1.8476806 1.8485161	1.8994750 1.9003678	1.9548697 1.9558254	2·0142243 2·0152494	2·0779489 2·0790506	2·1465127 2·1476993	46
16	1.8007365	1.8493525	1.9012616	1.9567822	2.0162756	2.0801536	2.1488875	44
17	1.8015213	1.8501898	1.9021564	1.9577402	2.0173031	2.0812580	2.1500772	43
18	1.8023070 1.8030935	1.8510281 1.8518672	1.9030522 1.9039491	1.9586992 1.9596593	2·0183318 2·0193618	2·0823637 2·0834708	2·1512684 2·1524611	42
20	1.8038809	1.8527073	1.9048469	1.9606206	2.0203929	2.0845792	2.1536553	40
21	1.8046691	1.8535483	1.9057457	1.9615829	2.0214253	2.0856890	2.1548510	39
22	1.8054582 1.8062481	1.8543903 1.8552331	1.9066456 1.9075464	1.9625464 1.9635110	2·0224589 2·0234937	2·0868002 2·0879127	2·1560482 2·1572469	38
24	1.8070388	1.8560769	1.9084483	1.9644767	2.0245297	2.0890265	2.1584471	36
25	1.8078304	1.8569216	1.9093512	1.9654435	2.0255670	2.0901418	2.1596489	35
26 27	1.8086228 1.8094161	1.8577672 1.8586138	1.9102551 1.9111600	1.9664114 1.9673805	2·0266056 2·0276453	2·0912584 2·0923764	2·1608522 2·1620570	34
28	1.8102102	1.8594612	1.9120659	1.9683507	2.0286863	2.0934957	2.1632633	32
29	1.8110052 1.8118010	1.8603097 1.8611590	1.9129729 1.9138809	1.9693220 1.9702944	2·0297286 2·0307720	2·0946164 2·0957385	2·1644712 2·1656806	31
31	1.8125977	1.8620093	1.9147899	1.9712680	2.0318168	2.0968620	2.1668915	29
32	1.8133953	1.8628605	1.9156999	1.9722427	2.0328628	2.0979869	2.1681040	28
33	1.8141937 1.8149929	1.8637126 1.8645657	1.9166110 1.9175230	1.9732185 1.9741954	2.0339100 2.0349585	2·0991131 2·1002408	2·1693180 2·1705335	27 26
35	1.8157930	1.8654197	1.9184362	1.9751735	2.0360082	2.1013698	2.1717506	25
36	1.8165940	1.8662747	1.9193503	1.9761527	2.0370592	2.1025002	2.1729693	24
37	1.8173958 1.8181985	1.8671306 1.8679875	1.9202655 1.9211817	1.9771331 1.9781146	2·0381114 2·0391649	2·1036320 2·1047652	2·1741895 2·1754113	23 22
39	1.8190021	1.8688453	1.9220990	1.9790972	2.0402197	2.1058998	2.1766346	21
40	1.8198065	1.8699040	1.9230173	1.9800810	2.0412757	2.1070359	2.1778595	20
41	1.8206118 1.8214179	1.8705637 1.8714244	1.9239366 1.9248570	1 9810659 1 9820520	2.0423330 2.0433916	2·1081733 2·1093121	2·1790859 2·1803139	19
43	1.8222249	1.8722859	1.9257784	1.9830393	2.0444515	2.1104523	2.1815435	17
44 45	1.8230328 1.8238416	1.8731485 1.8740120	1.9267009 1.9276244	1.9840276 1.9850172	2.0455126 2.0465750	2·1115940 2·1127371	2·1827746 2·1840074	16 15
46	1.8246512	1.8748764	1.9285490	1.9860080	2.0476386	2.1138815	2.1852417	14
47	1.8254617 1.8262731	1.8757419 1.8766082	1.9294746	1.9869997	2.0487036	2:1150274	2.1864775	13
48	1.8270854	1.8774755	1.9304013 1.9313290	1.9879927 1.9889869	2.0497698 2.0508373	2·1161748 2·1173235	2·1877150 2·1889541	12
50	1.8278985	1.8783438	1.9322578	1.9899822	2.0519061	2.1184737	2.1901947	10
51	1.8287125	1.8792131	1.9331876	1:9909787	2.0529762	2.1196253	2:1914370	9
52	1.8295274 1.8303432	1.8800833 1.8809545	1 9341185 1 9350505	1 9919764 1 9929752	2·0540476 2·0551203	2·1207783 2·1219328	2·1926808 2·1939262	8 7
54	1.8311599 1.8319774	1.8818266 1.8826998	1.9359835	1.9939753	2.0561942	2.1230887	2.1951733	6
55	1.8327959	1.8835738	1.9369176 1.9378527	1.9949764 1.9959788	2·0572695 2·0583460	2·1242460 2·1254048	2·1964219 2·1976721	5
57	1.8336152	1.8844489	1.9378527	1.9969823	2.0594239	2.1265651	2.1976721	3
58 59	1.8344354 1.8352565	1.8853249 1.8862019	1.9397262 1.9406646	1.9979870	2.0605031 2.0615836	2·1277267 2·1288899	2.2001775	2
60	1.8360785	1.8870799	1.9400040	1.9989929 2.0000000	2.0626653	2.1288899	2·2014326 2·2026893	0
	33°	32°	31°	30°	29°	28°	27°	1

0	63°	64°	65°	66°	67°	000		
			00	00	01	68°	69°	1
1 2 3 4 5	2·2026893 2·2039476 2·2052075 2·2064691 2·2077323 2·2089972	2·2811720 2·2825335 2·2838967 2·2852618 2·2866286 2·2879974	2:3662016 2:3676787 2:3691578 2:3706390 2:3721222 2:3736075	2:4585933 2:4602008 2:4618106 2:4634227 2:4650371 2:4666538	2·5593047 2·5610599 2·5628176 2·5645781 2·5663412 2·5681069	2.6694672 2.6713906 2.6733171 2.6752465 2.6771790 2.6791145	2·7904281 2·7925444 2·7946641 2·7967873 2·7989140 2·8010441	60 59 58 57 56 55
6	2·2102637	2·2893679	2:3750949	2·4682729	2.5698752	2.6810530	2·8031777	54
7	2·2115318	2·2907403	2:3765843	2·4698943	2.5716462	2.6829945	2·8053148	53
8	2·2128016	2·2921145	2:3780758	2·4715181	2.5734199	2.6849391	2·8074554	52
9	2·2140730	2·2934906	2:3795694	2·4731442	2.5751963	2.6868867	2·8095995	51
10	2·2153460	2·2948685	2:3810650	2·4747726	2.5769753	2.6888374	2·8117471	50
11	2-2166208	2·2962483	2·3825627	2:4764034	2:5787570	2.6907912	2·8138982	49
12	2-2178971	2·2976299	2·3840625	2:4780366	2:5805414	2.6927480	2·8160529	48
13	2-2191752	2·2990134	2·3855645	2:4796721	2:5823284	2.6947079	2·8182111	47
14	2-2204548	2·3003988	2·3870685	2:4813100	2:5841182	2.6966709	2·8203729	46
15	2-2217362	2·3017860	2·3885746	2:4829503	2:5859107	2.6986370	2·8225382	45
16	2·2230192	2:3031751	2:3900828	2·4845929	2·5877058	2·7006061	2·8247071	44
17	2·2243039	2:3045660	2:3915931	2·4862380	2·5895037	2·7025784	2·8268796	43
18	2·2255903	2:3059588	2:3931055	2·4878854	2·5913043	2·7045538	2·8290556	42
19	2·2268783	2:3073536	2:3946201	2·4895352	2·5931077	2·7065323	2·8312353	41
20	2·2281681	2:3087501	2:3961367	2·4911874	2·5949137	2·7085139	2·8334185	40
21	2·2294595	2·3101486	2·3976555	2·4928421	2.5967225	2·7104987	2·8356054	39
22	2·2307526	2·3115490	2·3991764	2·4944991	2.5985341	2·7124866	2·8377958	38
23	2·2320474	2·3129513	2·4006995	2·4961586	2.6003484	2·7144777	2·8399899	37
24	2·2333438	2·3143554	2·4022247	2·4978204	2.6021654	2·7164719	2·8421877	36
25	2·2346420	- 2·3157615	2·4037520	2·4994848	2.6039852	2·7184693	2·8443891	35
26	2·2359419	2·3171695	2·4052815	2·5011515	2.6058078	2·7204698	2.8465941	34
27	2·2372435	2·3185794	2·4068132	2·5028207	2.6076332	2·7224735	2.8488028	33
28	2·2385468	2·3199912	2·4083469	2·5044923	2.6094613	2·7244804	2.8510152	32
29	2·2398517	2·3214049	2·4098829	2·5061663	2.6112922	2·7264905	2.8532312	31
30	2·2411585	2·3228205	2·4114210	2·5078428	2.6131259	2·7285038	2.8554510	30
31	2-2424669	2·3242381	2·4129613	2·5095218	2.6149624	2·7305203	2.8576744	29
32	2-2437770	2·3256575	2·4145038	2·5112032	2.6168018	2·7325400	2.8599015	28
33	2-2450889	2·3270790	2·4160484	2·5128871	2.6186439	2·7345630	2.8621324	27
34	2-2464025	2·3285023	2·4175952	2·5145735	2.6204888	2·7365892	2.8643670	26
35	2-2477178	2·3299276	2·4191442	2·5162624	2.6223366	2·7386186	2.8666053	25
36	2·2490348	2·3313548	2·4206954	2·5179537	2.6241872	2.7406512	2.8688474	24
37	2·2503536	2·3327840	2·4222488	2·5196475	2.6260406	2.7426871	2.8710932	23
38	2·2516741	2·3342152	2·4238044	2·5213438	2.6278969	2.7447263	2.8733428	22
39	2·2529964	2·3356482	2·4253622	2·5230426	2.6297560	2.7467687	2.8755961	21
40	2·2543204	2·3370833	2·4269222	2·5247440	2.6316180	2.7488144	2.8778532	20
41	2 2556461	2·3385203	2·4284844	2·5264478	2.6334828	2.7508634	2.8801142	19
42	2 2569736	2·3399593	2·4300489	2·5281541	2.6353506	2.7529157	2.8823789	18
43	2 2583029	2·3414002	2·4316155	2·5298630	2.6372211	2.7549712	2.8846474	17
44	2 2596339	2·3428432	2·4331844	2·5315744	2.6390946	2.7570301	2.8869198	16
45	2 2609667	2·3442881	2·4347555	2·5332883	2.6409710	2.7590923	2.8891960	15
46	2·2623012	2·3457349	2·4363289	2·5350048	2.6428502	2.7611578	2·8914760	14
47	2·2636376	2·3471838	2·4379045	2·5367238	2.6447323	2.7632267	2·8937598	13
48	2·2649756	2·3486347	2·4394823	2·5384453	2.6466174	2.7652988	2·8960475	12
49	2·2663155	2·3500875	2·4410624	2·5401694	2.6485054	2.7673744	2·8983391	11
50	2·2676571	2·3515424	2·4426448	2·5418961	2.6503962	2.7694532	2·9006346	10
51	2·2690005	2·3529992	2·4442294	2.5436253	2.6522901	2·7715355	2.9029339	9
52	2·2703457	2·3544581	2·4458163	2.5453571	2.6541868	2·7736211	2.9052372	8
53	2·2716927	2·3559189	2·4474054	2.5470915	2.6560865	2·7757100	2.9075443	7
54	2·2730415	2·3573818	2·4489968	2.5488284	2.6579891	2·7778024	2.9098553	6
55	2·2743921	2·3588467	2·4505905	2.5505680	2.6598947	2·7798982	2.9121703	5
56	2·2757445	2·3603136	2:4521865	2·5523101	2.6618033	2·7819973	2.9144892	4
57	2·2770987	2·3617826	2:4537848	2·5540548	2.6637148	2·7840999	2.9168121	3
58	2·2784546	2·3632535	2:4553853	2·5558022	2.6656292	2·7862059	2.9191389	2
59	2·2798124	2·3647265	2:4569882	2·5575521	2.6675467	2·7883153	2.9214697	1
60	2·2811720	2·3662016	2:4585933	2·5593047	2.6694672	2·7904281	2.9238044	0
11	26°	25°	24°	23°	22°	21°	20°	1

,	70°	71°	72°	73°	74°	75°	76°	,
0	2·9238044	3·0715535	3·2360680	3·4203036	3·6279553	3·8637033	4·1335655	60
1	2·9261431	3·0741507	3·2389678	3·4235611	3·6316395	3·8679025	4·1383939	59
2	2·9284858	3·0767525	3·2418732	3·4268251	3·6353316	3·8721112	4·1432339	58
3	2·9308326	3·0793590	3·2447840	3·4300956	3·6390315	3·8763293	4·1480856	57
4	2·9331833	3·0819702	3·2477003	3·4333727	3·6427392	3·8805570	4·1529491	56
5	2·9355380	3·0845860	3·2506222	3·4366563	3·6464548	3·8847943	4·1578243	55
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1	19°	18°	17°	16°	15°	14°	13°	
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14         4*5252730         4*9037267         5*5850879         5*9049479         6*57811213         7*89077798         8*4670721           16         4*5860229         4*9174616         5*9049479         6*57811212         7*4155958         8*56793902           17         4*5427700         4*9245856         6*3777192         5*9250095         6*5995540         7*4474385         8*5499581           18         4*5480344         4*912754         6*3859079         5*935092         6*611070         7*4474385         8*5995861           20         4*5604080         4*9451687         5*4026335         5*9555625         6*6303293         7*4957482         8*5924065           21         4*5663183         4*9521453         5*4109903         5*9655250         6*6400184         7*5110437         8*6582912           22         4*5781862         4*961121         5*4198737         5*9767737         6*6417568         7*524738         8*6785882           24         4*581439         4*9731964         5*446831         6*0060581         6*702099         7*57516         8*678582           24         4*581439         4*9944311         5*461831         6*017029         7*5041840         7*610816         8*766299           25									
1	,	77°	78°	79°	80°	81°	82°	83°	,
6         4 '4792810         4 '3849775         4 '8562867         5 '2260354         5 '820017         6 '4757195         7 '2260460         8 '3338363           8         4 '3964152         4 '8687299         5 '3124109         5 '8455820         6 '4999148         7 '3271702         8 '3438386           9         4 '4964152         4 '8697299         5 '3124109         5 '8455820         6 '4999148         7 '3271702         8 '3438386           10         4 '5021665         4 '8504907         5 '3235610         5 '8655821         6 '5120812         7 '3371909         8 '4046562           11         4 '5079129         4 '8832707         5 '32356810         5 '8565821         6 '5945938         7 '3871909         8 '4466622           12         4 '5138844         4 '8000700         5 '38507114         5 '7571128         6 '9865528         7 '3840318         3 '4660161           14         4 '525730         4 '9037807         5 '3550879         5 '894088         6 '5102113         7 '390779         5 '3550879         6 '9036002         6 '47680112         7 '4174385         5 '5078904           15         4 '5448034         4 '931875         5 '3408046         5 '9140470         6 '580507         7 '4314303         8 '5292806           15	1 2 3 4	4·4510198 4·4566428 4·4622803 4·4679324	4.8163258 4.8229357 4.8295643 4.8362114	5·2486979 5·2565768 5·2644798 5·2724070	5.7682867 5.7778350 5.7874153 5.7970280	6·4042154 6·4160216 6·4278719 6·4397666	7·2001996 7·2151653 7·2301940 7·2452859	8·2249952 8·2445748 8·2642485 8·2840171	60 59 58 57 56 55
12	6 7 8 9	4·4792810 4·4849775 4·4906889 4·4964152	4.8495621 4.8562657 4.8629883 4.8697299	5.2883347 5.2963354 5.3043608 5.3124109	5.8163510 5.8260617 5.8358053 5.8455820	6:4636901 6:4757195 6:4877944 6:4999148	7*2756616 7*2909460 7*3062954 7*3217102	8:3238415 8:3438986 8:3640534 8:3843065	54 53 52 51 50
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	42 43 44 45	4·6941660 4·7004372 4·7067256 4·7130313	5·1034431 5·1108835 5·1183461 5·1258309	5·5927719 5·6017386 5·6107345 5·6197599	6·1879725 6·1989843 6·2100359 6·2211275	6·9273089 6·9411496 6·9550464 6·9689994	7·8700120 7·8879238 7·9059179 7·9239950	9·1129200 9·1369949 9·1611980 9·1855305	19 18 17 16 15
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	47 48 49 50	4·7256945 4·7320524 4·7384277 4·7448206	5·1408677 5·1484199 5·1559948 5·1635924	5.6378995 5.6470140 5.6561584 5.6653331	6·2434316 6·2546446 6·2658984 6·2771933	6.9970760 7.0112001 7.0253820 7.0396220	7.9604003 7.9787298 7.9971445 8.0156450	9·2345877 9·2593145 9·2841749 9·3091699	14 13 12 11 10
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' 12° 11° 10° 9° 8° 7° 6°	'	12°	11°	10°	9°	8°	7°	6°	

,	84°	85°	86°	87°	88°	89°	
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17	10·039234	12·161246	15°426721	21.098376	33·381176	79·949684	43
18	10·068491	12·204274	15°496114	21.228515	33·708345	81·853150	42
19	10·097920	12·247608	15°566135	21.360272	34·041994	83·849470	41
20	10·127522	12·291252	15°636793	21.493676	34·382316	85·945609	40
21	10·157300	12:335210	15.708096	21.628759	34·729515	88·149244	39
22	10·187254	12:379484	15.780054	21.765553	35·083800	90·468863	38
23	10·217386	12:424078	15.852676	21.904090	35·445391	92·913869	37
24	10·247697	12:468995	15.925971	22.044403	35·814517	95·494711	36
25	10·278190	12:514240	15.999948	22.186528	36·191414	98·223033	35
26	10·308866	12·559815	16.074617	22:330499	36·576332	101·11185	34
27	10·339726	12·605724	16.149987	22:476353	36·969528	104·17574	33
28	10·370772	12·651971	16.226069	22:624126	37·371273	107·43114	32
29	10·402007	12·698560	16.302873	22:773857	37·781849	110·89656	31
30	10·433431	12·745495	16.380408	22:925586	38·201550	114·59301	30
31	10·465046	12.792779	16*458686	23·079351	38.630683	118·54440	29
32	10·496854	12.840416	16*537717	23·235196	39.069571	122·77803	28
33	10·528857	12.888410	16*617512	23·393161	39.518549	127·32526	27
34	10·561057	12.936765	16*698082	23·553291	39.977969	132·22229	26
35	10·593455	12.985486	16*779439	23·715630	40.448201	137·51108	25
36	10.626054	13.034576	16:861594	23.880224	40.929630	143°24061	24
37	10.658854	13.084040	16:944559	24.047121	41.422660	149°46837	23
38	10.691859	13.133882	17:028346	24.216370	41.927717	156°26228	22
39	10.725070	13.184106	17:112966	24.388020	42.445245	163°70325	21
40	10.758488	13.234717	17:198434	24.562123	42.975713	171°88831	20
41	10·792117	13·285719	17:284761	24·738731	43·519612	180 93496	19
42	10·825957	13·337116	17:371960	24·917900	44·077458	190 98680	18
43	10·860011	13·388914	17:460046	25·099685	44·649795	202 22122	17
44	10·894281	13·441118	17:549030	25·284144	45·237195	214 85995	16
45	10·928768	13·493731	17:638928	25·471337	45·840260	229 18385	15
46	10°963476	13·546758	17·729753	25.661324	46·459625	245·55402	14
47	10°998406	13·600205	17·821520	25.854169	47·095961	264·44269	13
48	11°033560	13·654077	17·914243	26.049937	47·749974	286·47948	12
49	11°068940	13·708379	18·007937	26.248694	48·422411	312·52297	11
50	11°104549	13·763115	18·102619	26.450510	49·114062	343·77516	10
51	11·140389	13.818291	18·198303	26.855455	49.825762	381 97230	9
52	11·176462	13.873913	18·295005	26.863603	50.558396	429 71873	8
53	11·212770	13.929985	18·392742	27.075030	51.312902	491 10702	7
54	11·249316	13.986514	18·491530	27.289814	52.090272	572 95809	6
55	11·286101	14.043504	18·591387	27.508035	52.891564	687 54960	5
56 57 58 59 60	11·323129 11·360402 11·397922 11·435692 11·473713	14·100963 14·158894 14·217304 14·276200 14·335587	18·692330 18·794377 18·897545 19·001854 19·107323	27·729777 27·955125 28·184168 28·416997 28·653708	53*717896 54*570464 55*450534 56*359462 57*298688	859·43689 1145·9157 1718·8735 3437·7468 Infinite.	3 2 1 0
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3 03·0 00·1	63 62°9 03°1	123 122·9 06·0	183 182·8 09·0	243 242·7 11·9
4 04·0 00·2	64 63°9 03°1	124 123·9 06·1	184 183·8 09·0	244 243·7 12·0
5 05·0 00·2	65 64°9 03°2	125 124·9 06·1	185 184·8 09·1	245 244·7 12·0
6 06·0 00·3	66 65·9 03·2	126 125·8 06·2	186 185·8 09·1	246 245.7 12.1
7 07·0 00·3	67 66·9 03·3	127 126·8 06·2	187 186·8 09·2	247 246.7 12.1
8 08·0 00·4	68 67·9 03·3	128 127·8 06·3	188 187·8 09·2	248 247.7 12.2
9 09·0 00·4	69 68·9 03·4	129 128·8 06·3	189 188·8 09·3	249 248.7 12.2
10 10·0 00·5	70 69·9 03·4	130 129·8 06·4	190 189·8 09·3	250 249.7 12.3
11 11.0 00.5	71 70·9 03·5	131 130·8 06·4	191 190 8 09 4	251 250·7 12·3
12 12.0 00.6	72 71·9 03·5	132 131·8 06·5	192 191 8 09 4	252 251·7 12·4
13 13.0 00.6	73 72·9 03·6	133 132·8 06·5	193 192 8 09 5	253 252·7 12·4
14 14.0 00.7	74 73·9 03·6	134 133·8 06·6	194 193 8 09 5	254 253·7 12·5
15 15.0 00.7	75 74·9 03·7	135 134·8 06·6	195 194 8 09 6	255 254·7 12·5
16 16·0 00·8	76 75-9 03-7	136 135·8 06·7	196 195.8 09.6	256 255·7 12·6
17 17·0 00·8	77 76-9 03-8	137 136·8 06·7	197 196.8 09.7	257 256·7 12·6
18 18·0 00·9	78 77-9 03-8	138 137·8 06·8	198 197.8 09.7	258 257·7 12·7
19 19·0 00·9	79 78-9 03-9	139 138·8 06·8	199 198.8 09.8	259 258·7 12·7
20 20·0 01·0	80 79-9 03-9	140 139·8 06·9	200 199.8 09.8	260 259·7 12·8
21 21·0 01·0	81 80 9 04 0	141 140·8 06·9	201 200·8 09·9	261 260·7 12·8
22 22·0 01·1	82 81 9 04 0	142 141·8 07·0	202 201·8 09·9	262 261·7 12·9
23 23·0 01·1	83 82 9 04 1	143 142·8 07·0	203 202·8 10·0	263 262·7 12·9
24 24·0 01·2	84 83 9 04 1	144 143·8 07·1	204 203·8 10·0	264 263·7 13·0
25 25·0 01·2	85 84 9 04 2	145 144·8 07·1	205 204·8 10·1	265 264·7 13·0
26 26·0 01·3	86 85 9 04 2	146 145·8 07·2	206 205·8 10·1	266 265·7 13·1
27 27·0 01·3	87 86 9 04 3	147 146·8 07·2	207 206·8 10·2	267 266·7 13·1
28 28·0 01·4	88 87 9 04 3	148 147·8 07·3	208 207·8 10·2	268 267·7 13·2
29 29·0 01·4	89 88 9 04 4	149 143·8 07·3	209 208·8 10·3	269 268·7 13·2
30 30·0 01·5	90 89 9 04 4	150 149·8 07·4	210 209·8 10·3	270 269·7 13·3
31 31·0 01·5	91 90.9 04.5	151 150·8 07·4	211 210·7 10·4	271 270·7 13·3
32 32·0 01·6	92 91.9 04.5	152 151·8 07·5	212 211·7 10·4	272 271·7 13·3
33 33·0 01·6	93 92.9 04.6	153 152·8 07·5	213 212·7 10·5	273 272·7 13·4
34 34·0 01·7	94 93.9 04.6	154 153·8 07·6	214 213·7 10·5	274 273·7 13·4
35 35·0 01·7	95 94.9 04.7	155 154·8 07·6	215 214·7 10·6	275 274·7 13·5
36 36·0 01·8	96 95-9 04-7	156 155·8 07·7	216 215·7 10·6	276 275·7 13·5
37 37·0 01·8	97 96-9 04-8	157 156·8 07·7	217 216·7 10·7	277 276·7 13·6
38 38·0 01·9	98 97-9 04-8	158 157·8 07·8	218 217·7 10·7	278 277·7 13·6
39 39·0 01·9	99 98-9 04-9	159 158·8 07·8	219 218·7 10·8	279 278·7 13·7
40 40·0 02·0	100 99-9 04-9	160 159·8 07·9	220 219·7 10·8	280 279·7 13·7
41 41.0 02.0	101 100·9 05·0	161 160·8 07·9	221 220·7 10·8	281 280·7 13·8
42 41.9 02.1	102 101·9 05·0	162 161·8 08·0	222 221·7 10·9	282 281·7 13·8
43 42.9 02.1	103 102·9 05·1	163 162·8 08·0	223 222·7 10·9	283 282·7 13·9
44 43.9 02.2	104 103·9 05·1	164 163·8 08·1	224 223·7 11·0	284 283·7 13·9
45 44.9 02.2	105 104·9 05·2	165 164·8 08·1	225 224·7 11·0	285 284·7 14·0
46 45.9 02.3	106 105·9 05·2	166 165·8 08·2	226 225·7 11·1	286 285·7 14·0
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48 47.9 02.4	108 107·9 05·3	168 167·8 08·2	228 227·7 11·2	288 287·7 14·1
49 48.9 02.4	109 108·9 05·4	169 168·8 08·3	229 228·7 11·2	289 288·7 14·2
50 49.9 02.5	110 109·9 05·4	170 169·8 08·3	230 229·7 11·3	290 289·7 14·2
51 50.9 02.5	111 110·9 05·5	171 170·8 08·4	231 230·7 11·3	291 290·7 14·3
52 51.9 02.6	112 111·9 05·5	172 171·8 08·4	232 231·7 11·4	292 291·7 14·3
53 52.9 02.6	113 112·9 05·5	173 172·8 08·5	233 232·7 11·4	293 292·7 14·4
54 53.9 02.7	114 113·9 05·6	174 173·8 08·5	234 233·7 11·5	294 293·6 14·4
55 54.9 02.7	115 114·9 05·6	175 174·8 08·6	235 234·7 11·5	295 294·6 14·5
56 55.9 02.8	116 115·9 05·7	176 175·8 08·6	236 235·7 11·6	296 295·6 14·5
57 56.9 02.8	117 116·9 05·7	177 176·8 08·7	237 236·7 11·6	297 296·6 14·6
58 57.9 02.9	118 117·9 05·8	178 177·8 08·7	238 237·7 11·7	298 297·6 14·6
59 58.9 02.9	119 118·9 05·8	179 178·8 08·8	239 238·7 11·7	299 298·6 14·7
60 59.9 02.9	120 119·9 05·9	180 179·8 08·8	240 239·7 11·8	300 299·6 14·7
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3 03.0 00.8	63 62·7 06·2	123 122·4 12·1	183 182·1 17·9	243 241·8 23·8
4 04.0 00.4	64 63·7 06·3	124 123·4 12·2	184 183·1 18·0	244 242·8 23·9
5 05.0 00.5	65 64·7 06·4	125 124·4 12·3	185 184·1 18·1	245 243·8 24·0
6 06·0 00·6	66 65.7 06.5	126 125.4 12.3	186 185·1 18·2	246 244·8 24·1
7 07·0 00·7	67 66.7 06.6	127 126.4 12.4	187 186·1 18·3	247 245·8 24·2
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10 10·0 01·0	70 69.7 06.9	130 129.4 12.7	190 189·1 18·6	250 248·8 24·5
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13 12·9 01·3	73 72·6 07·2	133 132·4 13·0	193 192·1 18·9	253 251 8 24 8
14 13·9 01·4	74 73·6 07·3	134 133·4 13·1	194 193·1 19·0	254 252 8 24 9
15 14·9 01·5	75 74·6 07·4	135 134·3 13·2	195 194·1 19·1	255 253 8 25 0
16 15·9 01·6	76 75·6 07·4	136 135·3 13·3	196 195·1 19·2	256 254'8 25'1
17 16·9 01·7	77 76·6 07·5	137 136·3 13·4	197 196·1 19·3	257 255'8 25'2
18 17·9 01·8	78 77·6 07·6	138 137·3 13·5	198 197·0 19·4	258 256'8 25'3
19 18·9 01·9	79 78·6 07·7	139 138·3 13·6	199 198·0 19·5	259 257'8 25'4
20 19·9 02·0	80 79·6 07·8	140 139·3 13·7	200 199·0 19·6	260 258'7 25'5
21 20'9 02'1	81 80.6 07.9	141 140·3 13·8	201 200·0 19·7	261 259·7 25·6
22 21'9 02'2	82 81.6 08.0	142 141·3 13·9	202 201·0 19·8	262 260·7 25·7
23 22'9 02'3	83 82.6 08.1	143 142·3 14·0	203 202·0 19·9	263 261·7 25·8
24 23'9 02'4	84 83.6 08.2	144 143·3 14·1	204 203·0 20·0	264 262·7 25·9
25 24'9 02'4	85 84.6 08.3	145 144·3 14·2	205 204·0 20·1	265 263·7 26·0
26 25·9 02·5	86 85.6 08.4	146 145·3 14·3	206 205·0 20·2	266 264·7 26·1
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28 27·9 02·7	88 87.6 08.6	148 147·3 14·5	208 207·0 20·4	268 266·7 26·3
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30 29·9 02·9	90 89.6 08.8	150 149·3 14·7	210 209·0 20·6	270 268·7 26·5
31 30°9 03°0	91 90.6 08.9	151 150·3 14·8	211 210·0 20·7	271 269·7 26·6
32 31°8 03°1	92 91.6 09.0	152 151·3 14·9	212 211·0 20·8	272 270·7 26·7
33 32°8 03°2	93 92.6 09.1	153 152·3 15·0	213 212·0 20·9	273 271·7 26·8
34 33°8 03°3	94 93.5 09.2	154 153·3 15·1	214 213·0 21·0	274 272·7 26·9
35 34°8 03°4	95 94.5 09.3	155 154·3 15·2	215 214·0 21·1	275 273·7 27·0
36 35·8 03·5	96 95·5 09·4	156 155·2 15·3	216 215·0 21·2	276 274·7 27·1
37 36·8 03·6	97 96·5 09·5	157 156·2 15·4	217 216·0 21·3	277 275·7 27·2
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39 38·8 03·8	99 98·5 09·7	159 158·2 15·6	219 217·9 21·5	279 277·7 27·3
40 39·8 03·9	100 99·5 09·8	160 159·2 15·7	220 218·9 21·6	280 278·7 27·4
41 40'8 04'0	101 100·5 09·9	161 160·2 15·8	221 219·9 21·7	281 279.6 27.5
42 41'8 04'1	102 101·5 10·0	162 161·2 15·9	222 220·9 21·8	282 280.6 27.6
43 42'8 04'2	103 102·5 10·1	163 162·2 16·0	223 221·9 21·9	283 281.6 27.7
44 43'8 04'3	104 103·5 10·2	164 163·2 16·1	224 222·9 22·0	284 282.6 27.8
45 44'8 04'4	105 104·5 10·3	165 164·2 16·2	225 223·9 22·1	285 283.6 27.9
46 45·8 04·5	106 105.5 10.4	166 165·2 16·3	226 224·9 22·2	286 284·6 28·0
47 46·8 04·6	107 106.5 10.5	167 166·2 16·4	227 225·9 22·2	287 285·6 28·1
48 47·8 04·7	108 107.5 10.6	168 167·2 16·5	228 226·9 22·3	288 286·6 28·2
49 48·8 04·8	109 108.5 10.7	169 168·2 16·6	229 227·9 22·4	289 287·6 28·3
50 49·8 04·9	110 109.5 10.8	170 169·2 16·7	230 228·9 22·5	290 288·6 28·4
51 50·8 05·0	111 110·5 10·9	171 170·2 16·8	231 229·9 22·6	291 289·6 28·5
52 51·7 05·1	112 111·5 11·0	172 171·2 16·9	232 230·9 22·7	292 290·6 28·6
53 52·7 05·2	113 112·5 11·1	173 172·2 17·0	233 231·9 22·8	293 291·6 28·7
54 53·7 05·3	114 113·5 11·2	174 173·2 17·1	234 232·9 22·9	294 292·6 28·8
55 54·7 05·4	115 114·4 11·3	175 174·2 17·2	235 233·9 23·0	295 293·6 28·9
56 55.7 05.5	116 115.4 11.4	176 175·2 17·3	236 234·9 23·1	296 294·6 29·0
57 56.7 05.6	117 116.4 11.5	177 176·1 17·4	237 235·9 23·2	297 295·6 29·1
58 57.7 05.7	118 117.4 11.6	178 177·1 17·4	238 236·9 23·3	298 296·6 29·2
59 58.7 05.8	119 118.4 11.7	179 178·1 17·5	239 237·8 23·4	299 297·6 29·3
60 59.7 05.9	120 119.4 11.8	180 179·1 17·6	240 238·8 23·5	300 298·6 29·4
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3 03·0 00·4	63 62°3 09°2	123 121·7 18·0	183 181 0 26 9	243 240*4 35*7
4 04·0 00·6	64 63°3 09°4	124 122·7 18·2	184 182 0 27 0	244 241*4 35*8
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6 05·9 00·9	66 65·3 09·7	126 124·6 18·5	186 184 0 27 3	246 243°3 36°1
7 06·9 01·0	67 66·3 09·8	127 125·6 18·6	187 185 0 27 4	247 244°3 36°2
8 07·9 01·2	68 67·3 10·0	128 126·6 18·8	188 186 0 27 6	248 245°3 36°4
9 08·9 01·3	69 68·3 10·1	129 127·6 18·9	189 187 0 27 7	249 246°3 36°5
10 09·9 01·5	70 69·2 10·3	130 128·6 19·1	190 187 9 27 9	250 247°3 36°7
11 10·9 01·6	71 70°2 10°4	131 129·6 19·2	191 188-9 28-0	251 248·3 36·8
12 11·9 01·8	72 71°2 10°6	132 130·6 19·4	192 189-9 28-2	252 249·3 37·0
13 12·9 01·9	73 72°2 10°7	133 131·6 19·5	193 190-9 28-3	253 250·3 37·1
14 13·8 02·1	74 73°2 10°9	134 132·5 19·7	194 191-9 28-5	254 251·3 37·3
15 14·8 02·2	75 74°2 11°0	135 133·5 19·8	195 192-9 28-6	255 252·2 37·4
16 15·8 02·3	76 75·2 11·2	136 134·5 20·0	196 193-9 28-8	256 253·2 37·6
17 16·8 02·5	77 76·2 11·3	137 135·5 20·1	197 194-9 28-9	257 254·2 37·7
18 17·8 02·6	78 77·2 11·4	138 136·5 20·2	198 195-9 29-1	258 255·2 37·9
19 18·8 02·8	79 78·1 11·6	139 137·5 20·4	199 196-8 29-2	259 256·2 38·0
20 19·8 02·9	80 79·1 11·7	140 138·5 20·5	200 197-8 29-3	260 257·2 38·2
21 20·8 03·1	81 80·1 11·9	141 139·5 20·7	201 198·8 29·5	261 258·2 38·3
22 21·8 03·2	82 81·1 12·0	142 140·5 20·8	202 199·8 29·6	262 259·2 38·4
23 22·8 03·4	83 82·1 12·2	143 141·5 21·0	203 200·8 29·8	263 260·2 38·6
24 23·7 03·5	84 83·1 12·3	144 142·4 21·1	204 201·8 29·9	264 261·1 38·7
25 24·7 03·7	85 84·1 12·5	145 143·4 21·3	205 202·8 30·1	265 262·1 38·9
26 25·7 03·8	86 85·1 12·6	146 144·4 21·4 147 145·4 21·6 148 146·4 21·7 149 147·4 21·9 150 148·4 22·0	206 203·8 30·2	266 263·1 39·0
27 26·7 04·0	87 86·1 12·8		207 204·8 30·4	267 264·1 39·2
28 27·7 04·1	88 87·0 12·9		208 205·7 30·5	268 265·1 39·3
29 23·7 04·3	89 88·0 13·1		209 206·7 30·7	269 266·1 39·5
30 29·7 04·4	90 89·0 13·2		210 207·7 30·8	270 267·1 39·6
31 30·7 04·5	91 90 0 13 4	151 149.4 22.2	211 208·7 31·0	271 268·1 39·8
32 31·7 04·7	92 91 0 13 5	152 150.4 22.3	212 209·7 31·1	272 269·1 39·9
33 32·6 04·8	93 92 0 13 6	153 151.3 22.4	213 210·7 31·3	273 270·0 40·1
34 33·6 05·0	94 93 0 13 8	154 152.3 22.6	214 211·7 31·4	274 271·0 40·2
35 34·6 05·1	95 94 0 13 9	155 153.3 22.7	215 212·7 31·5	275 272·0 40·4
36 35·6 05·3	96 95°0 14°1	156 154·3 22·9	216 213·7 31·7	276 273·0 40·5
37 36·6 05·4	97 96°0 14°2	157 155·3 23·0	217 214·7 31·8	277 274·0 40·6
38 37·6 05·6	98 96°9 14°4	158 156·3 23·2	218 215·6 32·0	278 275·0 40·8
39 38·6 05·7	99 97°9 14°5	159 157·3 23·3	219 216·6 32·1	279 276·0 40·9
40 39·6 05·9	100 98°9 14°7	160 158·3 23·5	220 217·6 32·3	280 277·0 41·1
41 40.6 06.0	101 99 9 14 8	161 159·3 23·6	221 218·6 32·4	281 278·0 41·2
42 41.5 06.2	102 100 9 15 0	162 160·2 23·8	222 219·6 32·6	282 278·9 41·4
43 42.5 06.3	103 101 9 15 1	163 161·2 23·9	223 220·6 32·7	283 279·9 41·5
44 43.5 06.5	104 102 9 15 3	164 162·2 24·1	224 221·6 32·9	284 280·9 41·7
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46 45.5 06.7	106 104·8 15·6	166 164·2 24·4	226 223·6 33·2	286 282 9 42 0
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49 48.5 07.2	109 107·8 16·0	169 167·2 24·8	229 226·5 33·6	289 285 9 42 4
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53 52·4 07·8	113 111°8 16°6	173 171·1 25·4	233 230·5 34·2	293 289.8 43.0
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55 54·4 08·1	115 113°8 16°9	175 173·1 25·7	235 232·5 34·5	295 291.8 43.3
56 55.4 08.2	116 114·7 17·0	176 174·1 25·8	236 233.4 34.6	296 292·8 43·4
57 56.4 08.4	117 115·7 17·2	177 175·1 26·0	237 234.4 34.8	297 293·8 43·6
58 57.4 08.5	118 116·7 17·3	178 176·1 26·1	238 235.4 34.9	298 294·8 43·7
59 58.4 08.7	119 117·7 17·5	179 177·1 26·3	239 236.4 35.1	299 295·8 43·9
60 59.4 08.8	120 118·7 17·6	180 178·1 26·4	240 237.4 35.2	300 296·8 44·0
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15 14·7 02·9	75 73·6 14·6	135 132.4 26.3	195 191 3 38 0	255 250·1 49·7
16 15-7 03-1	76 74.5 14.8	136 133 4 26 5	196 192 2 38 2	256 251·1 49·9
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43 42·2 08·4	103 101·0 20·1	163 159.9 31.8	223 218·7 43·5	283 277·6 55·2
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47 46·1 09·2	107 104.9 20.9	167 163.8 32.6	227 222.6 44.3	287 281·5 56·0
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59 57.9 11.5	119 116·7 23·2	179 175.6 34.9	239 234·4 46·6	299 293·3 58·3
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22 21·3 05·3	82 79.5 19.9	142 137·7 34·5	202 195·9 49·1	262 254·2 63·7
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44 42·7 10·7	104 100.9 25.3	164 159·1 39·9	224 217·3 54·4	284 275.5 69.0
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46 44.6 11.2	106 102·8 25·8	166 161.0 40.3	226 219·2 54·9	286 277.4 69.5
47 45.6 11.4	107 103·8 26·0	167 162.0 40.6	227 220·2 55·2	287 278.4 69.7
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	3 02·9 00·9	63 60·3 18·3	123 117·7 35:7	183 175·1 53·1	243 232.5 70.5
	4 03·8 01·2	64 61·2 18·6	124 118·7 36·0	184 176·1 53·4	244 233.5 70.8
12   11-5   03-5   72   68-9   20-9   132   126-3   83-3   192   183-7   55-7   252   241-2   73-4     14   13-4   03-3   73   69-9   21-2   133   13-7   38-6   193   134-7   56-0   255   242-1   73-4     14   13-4   04-1   74   70-8   21-5   134   125-2   33-9   194   135-7   56-3   254   243-1   73-7     15   14-4   04-6   76   72-7   22-1   136   130-1   39-5   196   187-6   56-6   255   244-0   74-0     16   15-3   04-6   76   72-7   22-1   136   130-1   39-5   196   187-6   56-9   256   245-0   74-3     17   16-3   04-9   77   73-7   22-4   137   131-1   39-8   197   188-5   57-2   257   245-9   74-9     19   18-2   05-5   79   76-6   22-9   139   133-0   40-3   199   190-4   57-8   25-9   247-9   75-9     19   18-2   05-5   79   76-6   22-9   139   133-0   40-3   199   190-4   57-8   25-9   247-9   75-9     20   19-1   05-8   80   76-6   23-2   140   134-0   40-6   200   191-4   58-1   260   24-9   74-9     21   20-1   06-1   31   77-5   23-5   141   134-9   40-9   201   192-3   58-4   261   249-8   75-8     22   21-1   06-4   82   78-5   23-8   142   135-9   41-2   202   193-3   58-6   262   25-0   76-1     23   22-0   06-7   83   80-4   24-4   144   137-8   41-8   204   195-2   59-2   264   22-5   76-9     24   23-0   07-0   84   80-4   24-4   144   137-8   41-8   204   195-2   59-2   264   22-5   76-9     26   24-9   07-5   56   82-3   25-0   146   130-7   42-4   206   107-1   59-8   266   25-46   77-2     27   27-8   08-4   83   85-2   25-5   143   141-6   43-0   208   139-0   60-4   268   25-6   77-5     28   26-8   08-1   88   84-2   25-5   148   141-6   43-0   208   139-0   60-4   268   25-6   77-5     28   26-8   08-1   08-8   08-9   27-0   153   146-4   44-4   21   20-9   61-2   27-1   25-9   38-3     31-6   09-6   09-8   99-9   27-6   155   148-3   45-0   21-9   20-9   61-5   22-9   26-3   27-9     28   30-6   09-3   28-8   09-7   155   148-3   45-3   210   20-0   61-5   27-7   25-7   26-7   27-7     28   26-8   08-4   10-7   09-9   27-6   155   148-3   45-0   218   20-9   21-6   155   20-7	7 06·7 02·0	67 64·1 19·4	127 121·5 36·9	187 179.0 54.3	247 236·4 71·7
	8 07·7 02·3	68 65·1 19·7	128 122·5 37·2	188 179.9 54.6	248 237·3 72·0
	9 08·6 02·6	69 66·0 20·0	129 123·5 37·4	189 180.9 54.9	249 238·3 72·3
Times   Time	12 11·5 03·5	72 68·9 20·9	132 126·3 38·3	192 183·7 55·7	252 241·2 73·2
	13 12·4 03·8	73 69·9 21·2	133 127·3 38·6	193 184·7 56·0	253 242·1 73·4
	14 13·4 04·1	74 70·8 21·5	134 128·2 38·9	194 185·7 56·3	254 243·1 73·7
22 21:1 06:4 82 78:5 23:8 142 135:9 41:2 202 193:3 58:6 262 250:7 76:1 23 22:0 06:7 84 80'4 24'4 144 136'8 41:5 203 194:3 58:9 263 251:7 76:3 24 23:0 07:0 84 80'4 24'4 144 137:8 41:8 204 195:2 59:2 264 25:6 76:6 25 23:9 07:3 85 81:3 24'7 145 188:8 42'1 205 196:2 59:5 265 253:6 76:9 26 24:9 07:5 86 81:3 24'7 145 188:8 42'1 205 196:2 59:5 265 253:6 76:9 27 25:8 07:8 87 83:3 25:0 146 139.7 42:4 206 197:1 59:8 266 254:6 77:2 27 25:8 07:8 87 83:3 25:0 146 139.7 42:4 206 197:1 59:8 266 254:6 77:2 28 26:8 08:1 88 84:2 25:5 148 141:6 43:0 208 199:0 60:4 268 256:5 77:5 28 26:8 08:1 88 84:2 25:5 148 141:6 43:0 208 199:0 60:4 268 256:5 77:5 28 26:0 08:1 88 84:2 25:5 148 141:6 43:3 209 200:0 60:7 269 257:4 78:1 30 23:7 08:7 90 86:1 26:1 150 143:5 43:5 210 201:0 61:0 270 258:4 78:4 31 29:7 09:0 91 87:1 26:4 151 144:5 43:3 211 201:9 61:2 271 259:3 78:7 28 20:6 09:3 92 88:0 26:7 152 146:5 44:1 212 202:9 61:5 272 260:3 79:0 33 31:6 09:6 93 83:0 27:0 153 146:4 44:4 213 203:8 61:8 273 261:2 79:2 34 32:5 09:9 94 90:0 27:3 154 147:4 44.7 214 204:8 62:1 274 262:2 79:5 35 33:5 10:2 99 50:9 92.76 155 148:3 45:0 215 205:7 62:4 275 263:2 79:8 36 34:5 10:5 96 91:9 27:9 156 149:3 45:3 216 206:7 62:7 276 264:1 80:1 37 35:4 10.7 97 92:8 28:2 157 150:2 45:6 217 207:7 63:0 277 265:1 80:4 40:2 12:2 10:9 99 94:7 82:3 157 150:2 45:6 217 207:7 63:0 277 265:1 80:4 41:0 98 93:8 23:4 158 151:2 45:9 218 208:6 63:3 278 266:0 80:7 39 37:3 11:3 99 94:7 28:7 159 152:2 46:2 219 200:6 63:6 279 280 267:9 81:3 41 39:2 11:9 101 96:7 29:0 160 153:1 46:4 220 210:5 63:9 280 267:9 81:3 41 39:2 11:9 101 96:7 29:0 160 153:1 46:4 220 210:5 63:9 280 267:9 81:3 41 39:2 11:9 101 96:7 29:0 160 153:1 46:4 220 210:5 63:9 280 267:9 81:3 41 39:2 11:9 101 96:7 29:0 160 153:1 46:4 220 210:5 63:9 280 267:9 81:3 41 39:2 11:9 101 96:7 29:0 160 153:1 46:4 220 210:5 63:9 280 267:9 81:3 41 39:2 11:9 101 96:7 29:0 160 153:1 46:4 220 210:5 63:9 280 267:9 81:3 41 58:1 13:1 105 100:5 30:5 165 1579 47:9 222 212:4 64:4 282 2269:9 81:9 424 24:4 212:2 102 96:6 63:6 299 163 156:0 47:3 223	17 16·3 04·9	77 73·7 22·4	137 131·1 39·8	197 188·5 57·2	257 245·9 74·6
	18 17·2 05·2	78 74·6 22·6	138 132·1 40·1	198 189·5 57·5	258 246·9 74·9
	19 18·2 05·5	79 75·6 22·9	139 133·0 40·3	199 190·4 57·8	259 247·9 75·2
27 25:8 07:8 87 88:3 25:3 147 140.7 42.7 207 189:1 60·1 267 255:5 77:5 28 26:8 08:1 88 84:2 25:5 148 141:6 43:0 208 199·0 60·1 268 256:5 77:8 29 27:8 08:4 89 85:2 25:8 149 142:6 43:3 209 200·0 60·7 269 257:4 78:1 30 28:7 08.7 90 86:1 26:1 150 143:5 43:5 210 201·0 61·0 270 258:4 78:4 31 29:7 09·0 91 87:1 26:4 151 144:5 43:8 211 201·9 61·2 271 259:3 78:7 28:0 60 09:3 92 88:0 26:7 152 145:5 44:1 212 202:9 61:5 272 260·3 79·0 33 31:6 09·6 93 89·0 27·0 153 146:4 44:4 213 203:8 61:8 273 261:2 79·3 43:2 50 99·9 49 90·0 27·3 154 147:4 44.7 214 204:8 62:1 274 262:2 79·5 35 33:5 10·2 95 90·9 27·6 155 148:3 45·0 215 205:7 62·4 275 263:2 79·8 36 34:5 10·2 95 90·9 27·6 155 148:3 45·0 215 205:7 62·4 275 263:2 79·8 36 34·5 10·5 96 91·9 27·9 156 149:3 45·3 216 206·7 62·7 277 266·1 80·4 38:3 61·1 10·7 98 93:8 28·2 157 150·2 45·6 217 207·7 63·3 277 266·1 80·4 38:3 11·6 10·0 95·7 29·0 160 153:1 46·4 220 210·5 63·9 280 267·9 81·3 41 39·2 11·9 101 96·7 29·3 161 154·1 46·7 221 211·5 64·2 281 266·0 80·7 39 37·3 11·3 99 94·7 28·7 159 152·2 46·2 219 200·6 63·6 279 280 267·9 81·3 41 39·2 11·9 101 96·7 29·3 161 154·1 46·7 221 211·5 64·2 281 268·9 81·6 42 40·2 12·2 102 97·6 29·6 162 155·0 47·0 222 212·4 64·4 282 269·9 81·9 44·2 11·2 12·5 103 96·6 29·9 163 156·0 47·0 222 212·4 64·4 282 269·9 81·9 44·4 21 12·5 10·3 96·6 29·9 163 156·0 47·0 222 212·4 64·4 282 269·9 81·9 44·4 21 12·3 10·4 99·5 30·2 164 156·0 47·3 223 213·4 64·7 283 270·8 82·2 44·5 43·1 13·1 10·5 100·5 30·5 165 157·9 47·9 225 216·3 65·6 286 273·7 82·7 46·4 40·9 14·2 10·0 10·3 31·6 169 161·7 49·1 229 210·1 66·3 290 277·6 83·2 44·5 48·6 15·1 10·1 10·3 31·4 163 160·8 43·8 228 218·2 66·2 288 27·6 83·3 47·4 45·0 13·4 10·6 10·1 43·0 31·6 169 161·7 49·1 229 219·1 66·3 290 277·5 84·2 54·9 81·5 11·1 10·1 10·1 33·4 17·6 169·6 50·2 233 220·1 66·3 290 277·5 84·2 54·9 81·5 11·1 10·1 10·1 33·4 17·6 169·6 50·2 233 220·1 66·3 290 277·5 84·2 55·5 52·6 16·0 115 110·1 33·4 17·5 167·5 50·8 235 224·9 66·2 299 222·3 85·6 55·5 16·6 115 110·1 33·4 17·5 167·5 50·8 235 224·9 66·2 299 283·3 85·9 27·6 86	22 21·1 06·4	82 78·5 23·8	142 135.9 41.2	202 193·3 58·6	262 250·7 76·1
	23 22·0 06·7	83 79·4 24·1	143 136.8 41.5	203 194·3 58·9	263 251·7 76·3
	24 23·0 07·0	84 80·4 24·4	144 137.8 41.8	204 195·2 59·2	264 252·6 76·6
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	28 26·8 08·1	88 84·2 25·5	148 141·6 43·0	208 199·0 60·4	268 256·5 77·8
	29 27·8 08·4	89 85·2 25·8	149 142·6 43·3	209 200·0 60·7	269 257·4 78·1
37 35:4 10·7 97 92·8 28·2 157 150·2 45·6 217 207·7 63·0 277 266·1 80·4 83·3 44 11·0 98 93·8 28·4 158 151·2 45·9 218 208·6 63·3 278 266·0 80·7 39 37·3 11·3 99 94·7 28·7 159 152·2 46·2 219 209·6 63·6 279 267·0 81·0 40 38·3 11·6 100 95·7 29·0 160 153·1 46·4 220 210·5 63·9 280 267·9 81·0 41 39·2 11·9 101 96·7 29·3 161 154·1 46·7 221 211·5 64·2 281 263·9 81·6 42 40·2 12·2 102 97·6 29·6 162 155·0 47·0 222 212·4 64·4 282 269·9 81·9 43·4 42·1 12·8 10·4 99·5 30·2 164 156·0 47·3 223 213·4 64·7 282 270·8 82·4 42·1 12·8 10·4 99·5 30·2 164 156·0 47·3 223 213·4 64·7 283 270·8 82·2 44 42·1 12·8 10·4 99·5 30·2 164 156·9 47·6 224 211·5 65·0 284 271·8 82·4 45·1 13·1 10·5 100·5 30·5 165 157·9 47·9 225 215·3 65·3 25 272·7 82·7 46 44·0 13·4 10·6 101·4 30·8 166 158·9 48·2 266 216·3 65·6 286 273·7 83·0 47·4 6·0 13·6 107 102·4 31·1 167 159·8 48·5 227 217·2 65·9 287 274·6 83·3 48·4 6·9 13·9 10·8 103·4 31·4 168 160·8 48·8 228 218·2 66·2 288 275·6 83·6 49 46·9 14·2 10·9 104·3 31·6 160 161·7 49·1 229 210·1 66·3 290 277·5 84·2 52 40·8 15·1 11·1 10·5 31·9 170 162·7 49·3 230 220·1 66·3 290 277·5 84·2 52 40·8 15·1 11·1 10·5 32·5 17 164·6 49·9 232 222·0 16·3 222·0 67·6 293 280·4 85·0 47·9 14·5 110 10·5 33·1 174 166·5 50·2 233 222·0 67·6 293 280·4 85·0 47·9 14·5 110 10·3 31·1 174 166·5 50·2 233 222·0 67·6 293 280·4 85·0 47·9 14·5 110 10·3 31·1 174 166·5 50·2 233 222·0 67·6 293 280·4 85·0 47·9 14·5 110 10·3 31·1 174 166·5 50·2 233 222·0 67·6 293 280·4 85·0 47·9 14·5 110 10·3 31·1 174 166·5 50·2 233 222·0 67·6 293 280·4 85·0 56·5 16·8 11·5 110·1 33·4 175 166·5 50·2 233 222·0 67·6 293 280·4 85·0 56·5 16·8 11·5 110·1 33·4 175 166·5 50·2 233 222·0 67·6 293 280·4 85·0 56·5 16·8 11·5 110·1 34·3 176 166·5 50·2 233 222·0 67·6 293 280·4 85·0 56·5 16·8 11·5 110·1 34·4 175 167·5 50·8 235 224·9 68·5 296 283·3 85·9 56·5 50·6 16·0 11·5 110·1 34·4 175 167·5 50·8 235 224·9 68·5 296 283·3 85·9 56·5 50·6 16·0 11·5 110·1 34·4 175 167·5 50·8 235 224·9 68·5 296 283·3 85·9 56·5 50·6 16·0 11·5 110·1 34·4 175 167·5 50·8 235 224·9 68·5 296 283·3 85·9 56·5 50·6 16·0 11·5	32 30·6 09·3	92 88·0 26·7	152 145.5 44.1	212 202.9 61.5	272 260·3 79·0
	33 31·6 09·6	93 89·0 27·0	153 146.4 44.4	213 203.8 61.8	273 261·2 79·2
	34 32·5 09·9	94 90·0 27·3	154 147.4 44.7	214 204.8 62.1	274 262·2 79·5
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	38 36·4 11·0	98 93·8 28·4	158 151·2 45·9	218 208·6 63·3	278 266·0 80·7
	39 37·3 11·3	99 94·7 28·7	159 152·2 46·2	219 209·6 63·6	279 267·0 81·0
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	43 41·2 12·5	103 98.6 29.9	163 156·0 47·3	223 213·4 64·7	283 270.8 82.2
	44 42·1 12·8	104 99.5 30.2	164 156·9 47·6	224 214·4 65·0	284 271.8 82.4
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	48 45·9 13·9	108 103·4 31·4	168 160·8 48·8	228 218·2 66·2	288 275.6 83.6
	49 46·9 14·2	109 104·3 31·6	169 161·7 49·1	229 219·1 66·5	289 276.6 83.9
57     54*5     16*5     117     112*0     34*0     177     169*4     51*4     237     226*8     68*8     297     284*2     86*2       58     55*5     16*8     118     112*9     34*3     178     170*3     51*7     238     227*8     69*1     298     285*2     86*5       59     56*5     17*1     119     113*9     34*5     179     171*3     52*0     239     228*7     69*4     299     286*1     86*8       60     57*4     17*4     120     114*8     34*8     180     172*3     52*3     240     229*7     69*7     300     287*1     87*1	52 49·8 15·1 53 50·7 15·4 54 51·7 15·7 55 52·6 16·0	112 107·2 32·5 113 108·1 32·8 114 109·1 33·1	172 164.6 49.9 173 165.6 50.2 174 166.5 50.5	232 222·0 67·3 233 223·0 67·6 234 223·9 67·9 235 224·9 68·2	292 279·4 84·8 293 280·4 85·0 294 281·3 85·3 295 282·3 85·6
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	58 55·5 16·8	118 112·9 34·3	178 170.3 51.7	238 227·8 69·1	298 285·2 86·5
	59 56·5 17·1	119 113·9 34·5	179 171.3 52.0	239 228·7 69·4	299 286·1 86·8
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1	00·9	00·3	61	57·4	20.6	121	113·9	40·8	181	170·4	61.0	241	226·9	81·2
2	01·9	00·7	62	58·4	20.9	122	114·9	41·1	182	171·4	61.3	242	227·9	81·5
3	02·8	01·0	63	59·3	21.2	123	115·8	41·4	183	172·3	61.7	243	228·8	81·9
4	03·8	01·3	64	60·3	21.6	124	116·7	41·8	184	173·2	62.0	244	229·7	82·2
5	04·7	01·7	65	61·2	21.9	125	117·7	42·1	185	174·2	62.3	245	230·7	82·5
6	05.6	02·0	66	62·1	22·2	126	118.6	42.5	186	175·1	62·7	246	231.6	82·9
7	06.6	02·4	67	63·1	22·6	127	119.6	42.8	187	176·1	63·0	247	232.6	83·2
8	07.5	02·7	68	64·0	22·9	128	120.5	43.1	188	177·0	63·3	248	233.5	83·6
9	08.5	03·0	69	65·0	23·2	129	121.5	43.5	189	177·9	63·7	249	234.4	83·9
10	09.4	03·4	70	65·9	23·6	130	122.4	43.8	190	178·9	64·0	250	235.4	84·2
11	10·4	03·7	71	66.8	23·9	131	123·3	44·1	191	179·8	64·3	251	236·3	84.6
12	11·3	04·0	72	67.8	24·3	132	124·3	44·5	192	180·8	64·7	252	237·3	84.9
13	12·2	04·4	73	68.7	24·6	133	125·2	44·8	193	181·7	65·0	253	238·2	85.2
14	13·2	04·7	74	69.7	24·9	134	126·2	45·1	194	182·7	65·4	254	239·1	85.6
15	14·1	05·1	75	70.6	25·3	135	127·1	45·5	195	183·6	65·7	255	240·1	85.9
16	15·1	05·4	76	71.6	25.6	136	128.0	45.8	196	184·5	66·0	256	241·0	86·2
17	16·0	05·7	77	72.5	25.9	137	129.0	46.2	197	185·5	66·4	257	242·0	86·6
18	17·0	06·1	78	73.4	26.3	138	129.9	46.5	198	186·4	66·7	258	242·9	86·9
19	17·9	06·4	79	74.4	26.6	139	130.9	46.8	199	187·4	67·0	259	243·9	87·3
20	18·8	06·7	80	75.3	27.0	140	131.8	47.2	200	188·3	67·4	260	244·8	87·6
21	19·8	07·1	81	76·3	27.3	141	132·8	47.5	201	189·2	67·7	261	245.7	87.9
22	20·7	07·4	82	77·2	27.6	142	133·7	47.8	202	190·2	68·1	262	246.7	88.3
23	21·7	07·7	83	78·1	28.0	143	134·6	48.2	203	191·1	68·4	263	247.6	88.6
24	22·6	08·1	84	79·1	28.3	144	135·6	48.5	204	192·1	68·7	264	248.6	88.9
25	23·5	08·4	85	80·0	28.6	145	136·5	48.9	205	193·0	69·1	265	249.5	89.3
26 27 28 29 30	24.5 25.4 26.4 27.3 28.2	08·8 09·1 09·4 09·8 10·1	86 87 88 89 90	81.9 82.9 83.8 84.7	29·0 29·3 29·6 30·0 30·3	146 147 148 149 150	137·5 138·4 139·3 140·3 141·2	49·2 49·5 49·9 50·2 50·5	206 207 208 209 210	194.9 194.9 195.8 196.8 197.7	69·4 69·7 70·1 70·4 70·7	266 267 268 269 270	250·4 251·4 252·3 253·3 254·2	89.6 90.3 90.6 91.0
31	29·2	10.4	91	85.7	30·7	151	142.2	50.9	211	198.7	71·1	271	255·2	91.3
32	30·1	10.8	92	86.6	31·0	152	143.1	51.2	212	199.6	71·4	272	256·1	91.6
33	31·1	11.1	93	87.6	31·3	153	144.1	51.5	213	200.6	71·8	273	257·0	92.0
34	32·0	11.5	94	88.5	31·7	154	145.0	51.9	214	201.5	72·1	274	258·0	92.3
35	33·0	11.8	95	89.4	32·0	155	145.9	52.2	215	202.4	72·4	275	258·9	92.6
36	33·9	12·1	96	90·4	32·3	156	146.9	52.6	216	203·4	72·8	276	259.9	93·0
37	34·8	12·5	97	91·3	32·7	157	147.8	52.9	217	204·3	73·1	277	260.8	93·3
38	35·8	12·8	98	92·3	33·0	158	148.8	53.2	218	205·3	73·4	278	261.7	93·7
39	36·7	13·1	99	93·2	33·4	159	149.7	53.6	219	206·2	73·8	279	262.7	94·0
40	37·7	13·5	100	94·2	33·7	160	150.6	53.9	220	207·1	74·1	280	263.6	94·3
41	38·6	13·8	101	95·1	34·0	161	151.6	54·2	221	208·1	74·5	281	264.6	94·7
42	39·5	14·1	102	96·0	34·4	162	152.5	54·6	222	209·0	74·8	282	265.5	95·0
43	40·5	14·5	103	97·0	34·7	163	153.5	54·9	223	210·0	75·1	283	266.5	95·3
44	41·4	14·8	104	97·9	35·0	164	154.4	55·3	224	210·9	75·5	284	267.4	95·7
45	42·4	15·2	105	98·9	35·4	165	155.4	55·6	225	211·8	75·8	285	268.3	96·0
46	43·3	15.5	106	99·8	35·7	166	156·3	55.9	226	212·8	76·1	286	269·3	96·4
47	44·3	15.8	107	100·7	36·1	167	157·2	56.3	227	213·7	76·5	287	270·2	96·7
48	45·2	16.2	108	101·7	36·4	168	158·2	56.6	228	214·7	76·8	288	271·2	97·0
49	46·1	16.5	109	102·6	36·7	169	159·1	56.9	229	215·6	77·1	289	272·1	97·4
50	47·1	16.8	110	103·6	37·1	170	160·1	57.3	230	216·6	77·5	290	273·0	97·7
51 52 53 54 55	48.0 49.0 49.9 50.8 51.8	17·2 17·5 17·9 18·2 18·5	111 112 113 114 115	104·5 105·5 106·4 107·3 108·3	37·4 37·7 38·1 38·4 38·7	171 172 173 174 175	161.9 162.9 163.8 164.8	57.6 57.9 58.3 58.6 59.0	231 232 233 234 235	217·5 218·4 219·4 220·3 221·3	77·8 78·2 78·5 78·8 79·2	291 292 293 294 295	274·0 274·9 275·9 276·8 277·8	98.0 98.4 98.7 99.0 99.4
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9 08·3 03·4	69 63.8 26.4	129 119.2 49.4	189 174.6 72.3	249 230·1 95·3
10 09·2 03·8	70 64.7 26.8	130 120.1 49.8	190 175.5 72.7	250 231·0 95·7
11 10·2 04·2	71 65·6 27·2	131 121·0 50·1	191 176·5 73·1	251 231 9 96 1
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15 13·9 05·7	75 69·3 28·7	135 124·7 51·7	195 180·2 74·6	255 235 6 97 6
16 14.8 06.1	76 70·2 29·1	136     125.7     52.0       137     126.6     52.4       138     127.5     52.8       139     128.4     53.2       140     129.3     53.6	196 181·1 75·0	256 236·5 98·0
17 15.7 06.5	77 71·1 29·5		197 182·0 75·4	257 237·4 98·4
18 16.6 06.9	78 72·1 29·9		198 182·9 75·8	258 238·4 98·7
19 17.6 07.3	79 73·0 30·2		199 183·9 76·2	259 239·3 99·1
20 18.5 07.7	80 73·9 30·6		200 184·8 76·5	260 240·2 99·5
21 19·4 03·0	81 74·8 31·0	141 130·3 54·0	201 185·7 76·9	261 241·1 99·9
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23 21·3 08·8	83 76·7 31·8	143 132·1 54·7	203 187·6 77·7	263 243·0 100·6
24 22·2 09·2	84 77·6 32·1	144 133·0 55·1	204 188·5 78·1	264 243·9 101·0
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41 37·1 42 38·0 43 38·9 44 39·8 45 40·7	18.4	101 102 103 104 105	91·3 92·2 93·1 94·0 94·9	43·2 43·6 44·0 44·5 44·9	161 162 163 164 165	145·5 146·4 147·3 148·3 149·2	68·8 69·3 69·7 70·1 70·6	221 222 223 224 225	199·8 200·7 201·6 202·5 203·4	94·5 94·9 95·4 95·8 96·2	281 282 283 284 285	254·0 254·9 255·8 256·7 257·6	120 · 2 120 · 3 121 · 3 121 · 3
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51 46·1 52 47·0 53 47·9 54 48·8 55 49·7	22·2 22·7 23·1	111 112 113 114 115	100·3 101·2 102·2 103·1 104·0	47·5 47·9 48·3 48·7 49·2	17 <u>1</u> 172 173 174 175	154.6 155.5 156.4 157.3 158.2		231 232 233 234 235	203·8 209·7 210·6 211·5 212·4	98:8 99:2 99:6 100:1 100:5	291 292 293 294 295	263·1 264·0 264·9 265·8 266·7	124 4 124 5 125 6 125 7 126 1
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3 02°6 01°5	63 54·0 32·4	123 105·5 63·2	183 157·0 94·1	243 208·4 124·9
4 03°4 02°1	64 54·9 32·9	124 106·4 63·7	184 157·8 94·6	244 209·3 125·4
5 04°3 02°6	65 55·8 33·4	125 107·2 64·3	185 158·7 95·1	245 210·1 125·9
6 05·1 03·1	66 56·6 33·9	126 108·1 64·8	186 159·5 95·6	246 211.0 126.5
7 06·0 03·6	67 57·5 34·4	127 108·9 65·3	187 160·4 96·1	247 211.9 127.0
8 06·9 04·1	68 58·3 35·0	128 109·8 65·8	188 161·2 96·6	248 212.7 127.5
9 07·7 04·6	69 59·2 35·5	129 110·6 66·3	189 162·1 97·2	249 213.6 128.0
10 08·6 05·1	70 60·0 36·0	130 111·5 66·8	190 163·0 97·7	250 214.4 128.5
11 09.4 05.7	71 60·9 36·5	131 112·4 67·3	191 163·8 98·2	251 215·3 129·0
12 10.3 06.2	72 61·8 37·0	132 113·2 67·9	192 164·7 98·7	252 216·1 129·5
13 11.2 06.7	73 62·6 37·5	133 114·1 68·4	193 165·5 99·2	253 217·0 130·1
14 12.0 07.2	74 63·5 38·0	134 114·9 68·9	194 166·4 99·7	254 217·9 130·6
15 12.9 07.7	75 64·3 38·6	135 115·8 69·4	195 167·3 100·2	255 218·7 131·1
16 13·7 08·2	76 65·2 39·1	136 116·6 69·9	196 168·1 100·8	256 219·6 131·6
17 14·6 08·7	77 66·0 39·6	137 117·5 70·4	197 169·0 101·3	257 220·4 132·1
18 15·4 09·3	78 66·9 40·1	138 118·4 70·9	198 169·8 101·8	258 221·3 132·6
19 16·3 09·8	79 67·8 40·6	139 119·2 71·5	199 170·7 102·3	259 222·2 133·1
20 17·2 10·3	80 68·6 41·1	140 120·1 72·0	200 171·5 102·8	260 223·0 133·7
21 18.0 10.8	81 69·5 41·6	141 120.9 72.5	201 172.4 103.3	261 223.9 134.2
22 18.9 11.3	82 70·3 42·2	142 121.8 73.0	202 173.3 103.8	262 224.7 134.7
23 19.7 11.8	83 71·2 42·7	143 122.7 73.5	203 174.1 104.4	263 225.6 135.2
24 20.6 12.3	84 72·0 43·2	144 123.5 74.0	204 175.0 104.9	264 226.4 135.7
25 21.4 12.9	85 72·9 43·7	145 124.4 74.5	205 175.8 105.4	265 227.3 136.2
26 22·3 13·4	86 73.8 44.2	146 125·2 75·1	206 176·7 105·9	266 228·2 136·7
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28 24·0 14·4	88 75.5 45.2	148 126·9 76·1	208 178·4 106·9	268 229·9 137·8
29 24·9 14·9	89 76.3 45.7	149 127·8 76·6	209 179·3 107·4	269 230·7 138·3
30 25·7 15·4	90 77.2 46.3	150 128·7 77·1	210 180·1 108·0	270 231·6 138·8
31 26.6 15.9	91 78·1 46·8	151 129·5 77·6	211 181·0 108·5	271 232.4 139.3
32 27.4 16.4	92 78·9 47·3	152 130·4 78·1	212 181·8 109·0	272 233.3 139.8
33 28.3 17.0	93 79·8 47·8	153 131·2 78·7	213 182·7 109·5	273 234.2 140.3
34 29.2 17.5	94 80·6 48·3	154 132·1 79·2	214 183·5 110·0	274 235.0 140.9
35 30.0 18.0	95 81·5 48·8	155 132·9 79·7	215 184·4 110·5	275 235.9 141.4
36 30·9 18·5	96 82·3 49·3	156 133·8 80·2	216 185·3 111·0	276 236·7 141·9
37 31·7 19·0	97 83·2 49·9	157 134·7 80·7	217 186·1 111·6	277 237·6 142·4
38 32·6 19·5	98 84·1 50·4	158 135·5 81·2	218 187·0 112·1	278 238·4 142·9
39 33·5 20·0	99 84·9 50·9	159 136·4 81·7	219 187·8 112·6	279 239·3 143·4
40 34·3 20·6	100 85·8 51·4	160 137·2 82·3	220 188·7 113·1	280 240·2 143·9
41 35·2 21·1	101 86.6 51.9	161 138·1 82·8	221 189·6 113·6	281 241.0 144.5
42 36·0 21·6	102 87.5 52.4	162 138·9 83·3	222 190·4 114·1	282 241.9 145.0
43 36·9 22·1	103 88.3 52.9	163 139·8 83·8	223 191·3 114·6	283 242.7 145.5
44 37·7 22·6	104 89.2 53.5	164 140·7 84·3	224 192·1 115·2	284 243.6 146.0
45 38·6 23·1	105 90.1 54.0	165 141·5 84·8	225 193·0 115·7	285 244.4 146.5
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47 40·3 24·2	107 91 8 55 0	167 143.2 85.8	227 194·7 116·7	287 246·2 147·5
48 41·2 24·7	108 92 6 55 5	168 144.1 86.4	228 195·6 117·2	288 247·0 148·1
49 42·0 25·2	109 93 5 56 0	169 145.0 86.9	229 196·4 117·7	289 247·9 148·6
50 42·9 25·7	110 94 3 56 5	170 145.8 87.4	230 197·3 118·2	290 248·7 149·1
51 43.7 26.2	111 95·2 57·1	171 146·7 87·9	231 198·1 118·8	291 249·6 149·6
52 44.6 26.7	112 96·1 57·6	172 147·5 88·4	232 199·0 119·3	292 250·5 150·1
53 45.5 27.2	113 96·9 58·1	173 148·4 88·9	233 199·8 119·8	293 251·3 150·6
54 46.3 27.8	114 97·8 58·6	174 149·2 89·4	234 200·7 120·3	294 252·2 151·1
55 47.2 28.3	115 98·6 59·1	175 150·1 90·0	235 201·6 120·8	295 253·0 151·7
56 48.0 28.8	116 99.5 59.6	176 151·0 90·5	236 202.4 121.3	296 253·9 152·2
57 48.9 29.3	117 100.4 60.1	177 151·8 91·0	237 203.3 121.8	297 254·7 152·7
58 49.7 29.8	118 101.2 60.7	178 152·7 91·5	238 204.1 122.4	298 255·6 153·2
59 50.6 30.3	119 102.1 61.2	179 153·5 92·0	239 205.0 122.9	299 256·5 153·7
60 51.5 30.8	120 102.9 61.7	180 154·4 92·5	240 205.9 123.4	300 257·3 154·2
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6 05·0 03· 7 05·8 03· 8 06·7 04· 9 07·5 05· 10 08·3 05·	67 55·7 37·2 68 56·5 37·8 69 57·4 38·3	126 104·8 70·0 127 105·6 70·6 128 106·4 71·1 129 107·3 71·7 130 108·1 72·2	186 154.7 103.3 187 155.5 103.9 183 156.3 104.4 189 157.1 105.0 190 158.0 105.6	246 204·5 136·7 247 205·4 137·2 248 206·2 137·8 249 207·0 138·3 250 207·9 138·9
11 09·1 06· 12 10·0 06· 13 10·8 07· 14 11·6 07· 15 12·5 08·	7 72 59·9 40·0 2 73 60·7 40·6 8 74 61·5 41·1	131 108-9 72-8 132 109-8 73-3 133 110-6 73-9 134 111-4 74-4 135 112-2 75-0	191 158*8 106*1 192 159*6 106*7 193 160*5 107*2 194 161*3 107*8 195 162*1 108*3	251 208·7 139·4 252 209·5 140·0 253 210·4 140·6 254 211·2 141·1 255 212·0 141·7
16 13:3 08: 17 14:1 09: 18 15:0 10: 19 15:8 10: 20 16:6 11:	77 64·0 42·8 78 64·8 43·3 79 65·7 43·9	136 113·1 75·6 137 113·9 76·1 138 114·7 76·7 139 115·6 77·2 140 116·4 77·8	196 163·0 108·9 197 163·8 109·4 198 164·6 110·0 199 165·5 110·6 200 166·3 111·1	256 212·9 142·2 257 213·7 142·8 258 214·5 143·3 259 215·4 143·9 260 216·2 144·4
21 17·5 11· 22 18·3 12· 23 19·1 12· 24 20·0 13· 25 20·8 13·	82 68.2 45.6 83 69.0 46.1 84 69.8 46.7	141 117·2 78·3 142 118·1 78·9 143 118·9 79·4 144 119·7 80·0 145 120·6 80·6	201 167·1 111·7 202 168·0 112·2 203 168·8 112·8 204 169·6 113·3 205 170·4 113·9	261 217·0 145·0 262 217·8 145·6 263 218·7 146·1 264 219·5 146·7 265 220·3 147·2
26 21.6 14: 27 22.4 15: 28 23.3 15: 29 24.1 16: 30 24.9 16:	87 72·3 48·3 88 73·2 48·9 1 89 74·0 49·4	146 121·4 81·1 147 122·2 81·7 148 123·1 82·2 149 123·9 82·8 150 124·7 83·3	206 171·3 114·4 207 172·1 115·0 208 172·9 115·6 209 173·8 116·1 210 174·6 116·7	266 221·2 147·8 267 222·0 148·3 268 222·8 148·9 269 223·7 149·4 270 224·5 150·0
31 25·8 17·32 26·6 17·33 27·4 18·34 28·3 18·35 29·1 19·	92 76·5 51·1 93 77·3 51·7 94 78·2 52·2	151 125·6 83·9 152 126·4 84·4 153 127·2 85·0 154 128·0 85·6 155 128·9 86·1	211 175·4 117·2 212 176·3 117·8 213 177·1 118·3 214 177·9 118·9 215 178·8 119·4	271 225·3 150·6 272 226·2 151·1 273 227·0 151·7 274 227·8 152·2 275 228·7 152·8
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41 34·1 22·3 42 34·9 23·3 43 35·8 23·3 44 36·6 24·3 45 37·4 25·3	3   102   84 · 8   56 · 7 9   103   85 · 6   57 · 2 4   104   86 · 5   57 · 8	161 133.9 89.4 162 134.7 90.0 163 135.5 90.6 164 136.4 91.1 165 137.2 91.7	221 183°8 122°8 222 184°6 123°3 223 185°4 123°9 224 186°2 124°4 225 187°1 125°0	281 233·6 156·1 282 234·5 156·7 283 235·3 157·2 284 236·1 157·8 285 237·0 158·3
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56 46.6 31.1 57 47.4 31.1 58 48.2 32.1 59 49.1 32.1 60 49.9 33.1	7   117   97°3   65°0 2   118   98°1   65°6 3   119   98°9   66°1	176 146·3 97·8 177 147·2 98·3 178 148·0 98·9 179 148·8 99·4 180 149·7 100·0	236 196·2 131·1 237 197·1 131·7 238 197·9 132·2 239 198·7 132·8 240 199·6 133·3	296 246·1 164·4 297 246·9 165·0 298 247·8 165·6 299 248·6 166·1 300 249·4 166·7
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3 02·4 01·8	63 50.6 37.5	123 98·8 73·3	183 147.0 109.0	243 195·2 144·8
4 03·2 02·4	64 51·4 38·1	124 99.6 73.9	184 147·8 109·6	244 196·0 145·4
5 04·0 03·0	65 52·2 38·7	125 100.4 74.5	185 148·6 110·2	245 196·8 145·9
6 04·8 03·6	66 53·0 39·3	126 101·2 75·1	186 149·4 110·8	246 197·6 146·5
7 05·6 04·2	67 53·8 39·9	127 102·0 75·7	187 150·2 111·4	247 198·4 147·1
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12 09·6 07·1	72 57·8 42·9	132 106·0 78·6	192 154·2 114·4	252 202·4 150·1
13 10·4 07·7	73 58·6 43·5	133 106·8 79·2	193 155·0 115·0	253 203·2 150·7
14 11·2 08·3	74 59·4 44·1	134 107·6 79·8	194 155·8 115·6	254 204·0 151·3
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16 12·9 09·5	76 61·0 45·3	136 109·2 81·0	196 157·4 116·8	256 205·6 152·5
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20 16:1 11:9	80 64·3 47·7	140 112·4 83·4	200 160·6 119·1	260 208·8 154·9
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22 17·7 13·1	82 65·9 48·9	142 114·1 84·6	202 162·2 120·3	262 210·4 156·1
23 18·5 13·7	83 66·7 49·4	143 114·9 85·2	203 163·0 120·9	263 211·2 156·7
24 19·3 14·3	84 67·5 50·0	144 115·7 85·8	204 163·9 121·5	264 212·0 157·3
25 20·1 14·9	85 68·3 50·6	145 116·5 86·4	205 164·7 122·1	265 212·8 157·9
26 20·9 15·5	86 69·1 51·2	146 117·3 87·6	206 165·5 122·7	266 213.6 158.5
27 21·7 16·1	87 69·9 51·8	147 118·1 87·6	207 166·3 123·3	267 214.5 159.1
28 22·5 16·7	88 70·7 52·4	148 118·9 88·2	208 167·1 123·9	268 215.3 159.6
29 23·3 17·3	89 71·5 53·0	149 119·7 88·8	209 167·9 124·5	269 216·1 160·2
30 24·1 17·9	90 72·3 53·6	150 120·5 89·4	210 168·7 125·1	270 216·9 160·8
31 24·9 18·5	91 73·1 54·2	151 121·3 90·0	211 169·5 125·7	271 217·7 161·4
32 25·7 19·1	92 73·9 54·8	152 122·1 90·5	212 170·3 126·3	272 218·5 162·0
33 26·5 19·7	93 74·7 55·4	153 122·9 91·1	213 171·1 126·9	273 219·3 162·6
34 27·3 20·3	94 75·5 56·0	154 123·7 91·7	214 171·9 127·5	274 220·1 163·2
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37 29·7 22·0	97 77·9 57·8	157 126·1 93·5	217 174·3 129·3	277 222·5 165·0
38 30·5 22·6	98 78·7 58·4	158 126·9 94·1	218 175·1 129·9	278 223·3 165·6
39 31·3 23·2	99 79·5 59·0	159 127·7 94·7	219 175·9 130·5	279 224·1 166·2
40 32.1 23.8	100 80.3 59.6	160 128·5 95·3 161 129·3 95·9	220 176·7 131·1 221 177·5 131·6	280 224·9 166·8 281 225·7 167·4
42 33·7 25·0	102 81.9 60.8	162 130·1 96·5	222 178·3 132·2	282 226·5 168·0
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51 41.0 30.4	111 89·2 66·1	171 137·3 101·9	231 185·5 137·6	291 233·7 173·3
52 41.8 31.0	112 90·0 66·7	172 138·2 102·5	232 186·3 138·2	292 234·5 173·9
53 42.6 31.6	113 90·8 67·3	173 139·0 103·1	233 187·1 138·8	293 235·3 174·5
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56 45.0 33.4 57 45.8 34.0	116 93·2 69·1 117 94·0 69·7	176 141·4 104·8 177 142·2 105·4	236 189·6 140·6 237 190·4 141·2 238 191·2 141·8	296 237·7 176·3 297 238·6 176·9
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59 47·4 35·1	119 95·6 70·9	179 143.8 106.6	239 192·0 142·4	299 240·2 178·1
60 48·2 35·7	120 96·4 71·5	180 144.6 107.2	240 192·8 143·0	300 241·0 178·7
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6 04·6 7 05·4 8 06·2 9 07·0 10 07·7	03·8 04·4 05·1 05·7 06·3	67 5: 68 5: 69 5:	1:0 41:9 1:8 42:5 2:6 43:1 3:3 43:8 4:1 44:4	126 127 128 129 130	97·4 98·2 98·9 99·7 100·5	79·9 80·6 81·2 81·8 82·5	186 187 188 189 190	143·8 144·6 145·3 146·1 146·9	118.0 118.6 119.3 119.9 120.5	246 247 248 249 250	190·2 190·9 191·7 192·5 193·3	156·1 156·7 157·3 158·0 158·6
11 08·5 12 09·3 13 10·0 14 10·8 15 11·6	07·0 07·6 08·2 08·9 09·5	72 55 73 56 74 5	4:9 45:0 5:7 45:7 6:4 46:3 7:2 46:9 8:0 47:6	131 132 133 134 135	101·3 102·0 102·8 103·6 104·4	83·1 83·7 84·4 85·0 85·6	191 192 193 194 195	147.6 148.4 149.2 150.0 150.7	121·2 121·8 122·4 123·1 123·7	251 252 253 254 255	194·0 194·8 195·6 196·3 197·1	159·2 159·9 160·5 161·1 161·8
16 12:4 17 13:1 18 13:9 19 14:7 20 15:5	10·2 10·8 11·4 12·1 12·7	77 59 78 60 79 63	8·7 48·2 9·5 48·8 0·3 49·5 1·1 50·1 1·8 50·8	136 137 138 139 140	105·1 105·9 106·7 107·4 108·2	86·3 86·9 87·5 88·2 88·8	196 197 198 199 200	151·5 152·3 153·1 153·8 154·6	124·3 125·6 126·2 126·9	256 257 258 259 260	197.9 198.7 199.4 200.2 201.0	162·4 163·0 163·7 164·3 164·9
21 16·2 22 17·0 23 17·8 24 18·6 25 19·3	13·3 14·0 14·6 15·2 15·9	82 63 83 64 84 64	2·6 51·4 3·4 52·0 4·2 52·7 4·9 53·3 5·7 53·9	141 142 143 144 145	109·0 109·8 110·5 111·3 112·1	89·4 90·1 90·7 91·4 92·0	201 202 203 204 205	155·4 156·1 156·9 157·7 158·5	127·5 128·1 128·8 129·4 130·1	261 262 263 264 265	201·8 202·5 203·3 204·1 204·8	165.6 166.2 166.8 167.5 168.1
26 20·1 27 20·9 28 21·6 29 22·4 30 23·2	16·5 17·1 17·8 18·4 19·0	87 6' 88 6' 89 6'	6.5 54.6 7.3 55.2 8.0 55.8 8.8 56.5 9.6 57.1	146 147 148 149 150	112.9 113.6 114.4 115.2 116.0	92.6 93.3 93.9 94.5 95.2	206 207 208 209 210	159·2 160·0 160·8 161·6 162·3	130·7 131·3 132·0 132·6 133·2	266 267 268 269 270	205·6 206·4 207·2 207·9 208·7	168·7 169·4 170·0 170·7 171·3
31 24·0 32 24·7 33 25·5 34 26·3 35 27·1	19·7 20·3 20·9 21·6 22·2	92 7: 93 7: 94 7:	0·3 57·7 1·1 58·4 1·9 59·0 2·7 59·6 3·4 60·3	151 152 153 154 155	116·7 117·5 118·3 119·0 119·8	95·8 96·4 97·1 97·7 98·3	211 212 213 214 215	163·1 163·9 164·7 165·4 166·2	133 ·9 134 ·5 135 ·1 135 ·8 136 ·4	271 272 273 274 275	209·5 210·3 211·0 211·8 212·6	171.9 172.6 173.2 173.8 174.5
36 27·8 37 28·6 38 29·4 39 30·1 40 30·9	22.8 23.5 24.1 24.7 25.4	97 7: 98 7: 99 7:	4·2 60·9 5·0 61·5 5·8 62·2 6·5 62·8 7·3 63·4	156 157 158 159 160	120.6 121.4 122.1 122.9 123.7	99.0 99.6 100.2 100.9 101.5	216 217 218 219 220	167.0 167.7 168.5 169.3 170.1	137.0 137.7 138.3 138.9 139.6	276 277 278 279 280	213·4 214·1 214·9 215·7 216·4	175·1 175·7 176·4 177·0 177·6
41 31·7 42 32·5 43 33·2 44 34·0 45 34·8	26·0 26·6 27·3 27·9 28·5	102 7: 103 7: 104 8:	8·1 64·1 8·8 64·7 9·6 65·3 0·4 66·0 1·2 66·6	161 162 163 164 165	124.5 125.2 126.0 126.8 127.5	102·1 102·8 103·4 104·0 104·7	221 222 223 224 225	170.8 171.6 172.4 173.2 173.9	140·2 140·8 141·5 142·1 142·7	281 282 283 284 285	217·2 218·0 218·8 219·5 220·3	178·3 178·9 179·5 180·2 180·8
46 35·6 47 36·3 48 37·1 49 37·9 50 38·7	29·2 29·8 30·5 31·1 31·7	107 8 108 8 109 8	1.9 67.2 2.7 67.9 3.5 68.5 4.3 69.1 5.0 69.8	166 167 168 169 170	128·3 129·1 129·9 130·6 131·4	105·3 105·9 106·6 107·2 107·8	226 227 228 229 230	174.7 175.5 176.2 177.0 177.8	143·4 144·0 144·6 145·3 145·9	286 287 288 289 290	221·1 221·9 222·6 223·4 224·2	181·4 182·1 182·7 183·3 184·0
51 39.4 52 40.2 53 41.0 54 41.7 55 42.5	32·4 33·0 33·6 34·3 34·9	112 8 113 8 114 8 115 8	5·8 70·4 6·6 71·1 7·4 71·7 8·1 72·3 8·9 73·0	171 172 173 174 175	132·2 133·0 133·7 134·5 135·3	108.5 109.1 109.8 110.4 111.0	231 232 233 234 235	178.6 179.3 180.1 180.9 181.7	146.5 147.2 147.8 148.4 149.1	291 292 293 294 295	224·9 225·7 226·5 227·3 228·0	184.6 185.2 185.9 186.5 187.1
56 43·3 57 44·1 58 44·8 59 45·6 60 46·4	35·5 36·2 36·8 37·4 38·1	117 9 118 9 119 9	9·7 73·6 0·4 74·2 1·2 74·9 2·0 75·5 2·8 76·1	176 177 178 179 180	136·0 136·8 137·6 138·4 139·1	111.7 112.3 112.9 113.6 114.2	236 237 238 239 240	182·4 183·2 184·0 184·7 185·5	149·7 150·4 151·0 151·6 152·3	296 297 298 299 300	228·8 229·6 230·4 231·1 231·9	187·8 188·4 189·0 189·7 190·3
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2 01·5 01·3	62 45°9 41°6	122 90.4 81.9	182 134·9 122·2	242 179.3 162.5
3 02·2 02·0	63 46°7 42°3	123 91.1 82.6	183 135·6 122·9	243 180.1 163.2
4 03·0 02·7	64 47°4 43°0	124 91.9 83.3	184 136·3 123·6	244 180.8 163.9
5 03·7 03·4	65 48°2 43°7	125 92.6 83.9	185 137·1 124·2	245 181.5 164.5
6 04·4 04·0	66 48°9 44°3	126 93.4 84.6	186 137'8 124'9	246 182·3 165·2
7 05·2 04·7	67 49°6 45°0	127 94.1 85.3	187 138'6 125'6	247 183·0 165·9
8 05·9 05·4	68 50°4 45°7	128 94.8 86.0	188 139'3 126'3	248 183·8 166·5
9 06·7 06·0	69 51°1 46°3	129 95.6 86.6	189 140'0 126'9	249 184·5 167·2
10 07·4 06·7	70 51°9 47°0	130 96.3 87.3	190 140'8 127'6	250 185·2 167·9
11 08·2 07·4	71 52.6 47.7	131 97°1 88°0	191 141·5 128·3	251 186·0 168·6
12 08·9 08·1	72 53.3 48.4	132 97°8 88°6	192 142·3 128·9	252 186·7 169·2
13 09·6 08·7	73 54.1 49.0	133 98°5 89°3	193 143·0 129·6	253 187·5 169·9
14 10·4 09·4	74 54.8 49.7	134 99°3 90°0	194 143·7 130·3	254 188·2 170·6
15 11·1 10·1	75 55.6 50.4	135 100°0 90°7	195 144·5 130·9	255 188·9 171·2
16 11.9 10.7	76 56:3 51:0	136 100'8 91'3	196 145·2 131·6	256 189 7 171 9
17 12.6 11.4	77 57:1 51:7	137 101'5 92'0	197 146·0 132·3	257 190 4 172 6
18 13.3 12.1	78 57:8 52:4	138 102'3 92'7	198 146·7 133·0	258 191 2 173 3
19 14.1 12.8	79 58:5 53:0	139 103'0 93'3	199 147·4 133·6	259 191 9 173 9
20 14.8 13.4	80 59:3 53:7	140 103'7 94'0	200 148·2 134·3	260 192 6 174 6
21 15·6 14·1	81 60·0 54·4	141 104·5 94·7	201 148.9 135.0	261 193.4 175.3
22 16·3 14·8	82 60·8 55·1	142 105·2 95·4	202 149.7 135.6	262 194.1 175.9
23 17·0 15·4	83 61·5 55·7	143 106·0 96·0	203 150.4 136.3	263 194.9 176.6
24 17·8 16·1	84 62·2 56·4	144 106·7 96·7	204 151.2 137.0	264 195.6 177.3
25 18·5 16·8	85 63·0 57·1	145 107·4 97·4	205 151.9 137.7	265 196.4 178.0
26 19·3 17·5	86 63.7 57.7	146 108·2 98·0	206 152·6 138·3	266 197·1 178·6
27 20·0 18·1	87 64.5 58.4	147 108·9 98·7	207 153·4 139·0	267 197·8 179·3
28 20·7 18·8	88 65.2 59.1	148 109·7 99·4	208 154·1 139·7	268 198·6 180·0
29 21·5 19·5	89 65.9 59.8	149 110·4 100·1	209 154·9 140·3	269 199·3 180·6
30 22·2 20·1	90 66.7 60.4	150 111·1 100·7	210 155·6 141·0	270 200·1 181·3
31 23·0 20·8	91 67·4 61·1	151 111.9 101.4	211 156·3 141·7	271 200·8 182·0
32 23·7 21·5	92 68·2 61·8	152 112.6 102.1	212 157·1 142·4	272 201·5 182·7
33 24·5 22·2	93 68·9 62·4	153 113.4 102.7	213 157·8 143·0	273 202·3 183·3
34 25·2 22·8	94 69·6 63·1	154 114.1 103.4	214 158·6 143·7	274 203·0 184·0
35 25·9 23·5	95 70·4 63·8	155 114.8 104.1	215 159·3 144·4	275 203·8 184·7
36 26·7 24·2	96 71·1 64·5	156 115·6 104·8	216 160·0 145·0	276     204·5     185·3       277     205·2     186·0       278     206·0     186·7       279     206·7     187·4       280     207·5     188·0
37 27·4 24·8	97 71·9 65·1	157 116·3 105·4	217 160·8 145·7	
38 28·2 25·5	98 72·6 65·8	158 117·1 106·1	218 161·5 146·4	
39 28·9 26·2	99 73·4 66·5	159 117·8 106·8	219 162·3 147·1	
40 29·6 26·9	100 74·1 67·2	160 118·6 107·4	220 163·0 147·7	
41 30·4 27·5	101 74·8 67·8	161 119·3 108·1	221 163°8 148°4	281 208·2 188·7
42 31·1 28·2	102 75·6 68·5	162 120·0 108·8	222 164°5 149°1	282 208·9 189·4
43 31·9 28·9	103 76·3 69·2	163 120·8 109·5	223 165°2 149°7	283 209·7 190·0
44 32·6 29·5	104 77·1 69·8	164 121·5 110·1	224 166°0 150°4	284 210·4 190·7
45 33·3 30·2	105 77·8 70·5	165 122·3 110·8	225 166°7 151°1	285 211·2 191·4
46 34·1 30·9	106 78·5 71·2	166 123.0 111.5	226 167·5 151·8	286 211.9 192.1
47 34·8 31·6	107 79·3 71·9	167 123.7 112.2	227 168·2 152·4	287 212.7 192.7
48 35·6 32·2	108 80·0 72·5	168 124.5 112.8	228 168·9 153·1	288 213.4 193.4
49 36·3 32·9	109 80·8 73·2	169 125.2 113.5	229 169·7 153·8	289 214.1 194.1
50 37·0 33·6	110 81·5 73·9	170 126.0 114.2	230 170·4 154·5	290 214.9 194.8
51 37·8 34·2	111 82·2 74·5	171 126·7 114·8	231 171·2 155·1	291 215·6 195·4
52 38·5 34·9	112 83·0 75·2	172 127·4 115·5	232 171·9 155·8	292 216·4 196·1
53 39·3 35·6	113 83·7 75·9	173 128·2 116·2	233 172·6 156·5	293 217·1 196·8
54 40·0 36·3	114 84·5 76·6	174 128·9 116·9	234 173·4 157·1	294 217·8 197·4
55 40·8 36·9	115 85·2 77·2	175 129·7 117·5	235 174·1 157·8	295 218·6 198·1
56 41.5 37.6	116 86.0 77.9	176 130·4 118·2	236 174·9 158·5	296 219·3 198·8
57 42.2 38.3	117 86.7 78.6	177 131·1 118·9	237 175·6 159·2	297 220·1 199·4
58 43.0 39.0	118 87.4 79.2	178 131·9 119·5	238 176·3 159·8	298 220·8 200·1
59 43.7 39.6	119 88.2 79.9	179 132·6 120·2	239 177·1 160·5	299 221·5 200·8
60 44.5 40.3	120 88.9 80.6	180 133·4 120·9	240 177·8 161·2	300 222·3 201·5
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1 00.7 00. 2 01.4 01.3 3 02.1 02.3 4 02.8 02.3 5 03.5 03.5	62 43·8 43·8 63 44·5 44·5 64 45·3 45·3	121 85·6 85·6 122 86·3 86·3 123 87·0 87·0 124 87·7 87·7 125 88·4 88·4	181 128.0 128.0 182 128.7 128.7 183 129.4 129.4 184 130.1 130.1 185 130.8 130.8	241 170·4 170·4 242 171·1 171·1 243 171·8 171·8 244 172·5 172·5 245 173·2 173·2
6 04·2 04·2 7 04·9 04·3 8 05·7 05·3 9 06·4 06·4 10 07·1 07·3	67 47·4 47·4 68 48·1 48·1 69 48·8 48·8	126 89·1 89·1 127 89·8 89·8 128 90·5 90·5 129 91·2 91·2 130 91·9 91·9	186 131·5 131·5 187 132·2 132·2 188 132·9 132·9 189 133·6 133·6 190 134·4 134·4	246 173.9 173.9 247 174.7 174.7 248 175.4 175.4 249 176.1 176.1 250 176.8 176.8
11 07·8 07·1 12 08·5 08·1 13 09·2 09·1 14 09·9 09·1 15 10·6 10·6	5 72 50·9 50·9 2 73 51·6 51·6 0 74 52·3 52·3 3 75 53·0 53·0	131 92.6 92.6 132 93.3 93.3 133 94.0 94.0 134 94.8 94.8 135 95.5 95.5	191 135·1 135·1 192 135·8 135·8 193 136·5 136·5 194 137·2 137·2 195 137·9 137·9	251 177·5 177·5 252 178·2 178·2 253 178·9 178·9 254 179·6 179·6 255 180·3 180·3
16 11.3 11.3 11.3 12.0 12.0 12.0 18 12.7 12.1 19 13.4 13.4 20 14.1 14.5	77 54·4 54·4 7 78 55·2 55·2 4 79 55·9 55·9 1 80 56·6 56·6	136 96·2 96·2 137 96·9 96·9 138 97·6 97·6 139 98·3 98·3 140 99·0 99·0	196 138·6 138·6 197 139·3 139·3 198 140·0 140·0 199 140·7 140·7 200 141·4 141·4	256 181·0 181·0 257 181·7 181·7 258 182·4 182·4 259 183·1 183·1 260 183·8 183·8
21 14·8 14·3 22 15·6 15·6 23 16·3 16·3 24 17·0 17·3 25 17·7 17·3	82 58·0 58·0 83 58·7 58·7 9 84 59·4 59·4 85 60·1 60·1	141 99·7 99·7 142 100·4 100·4 143 101·1 101·1 144 101·8 101·8 145 102·5 102·5	201 142·1 142·1 202 142·8 142·8 203 143·5 143·5 204 144·2 144·2 205 145·0 145·0	261 184·6 184·6 262 185·3 185·3 263 186·0 186·0 264 186·7 186·7 265 187·4 187·4
26 18.4 18.27 19.1 19.28 19.8 19.29 20.5 20.30 21.2 21.3	1 87 61·5 61·5 88 62·2 62·2 5 89 62·9 62·9 2 90 63·6 63·6	146 103·2 103·2 147 103·9 103·9 148 104·7 104·7 149 105·4 105·4 150 106·1 106·1	206 145·7 145·7 207 146·4 146·4 208 147·1 147·1 209 147·8 147·8 210 148·5 148·5	266 188·1 188·1 267 188·8 188·8 268 189·5 189·5 269 190·2 190·2 270 190·9 190·9
31 21.9 21.9 32 22.6 22.9 33 23.3 23.3 34 24.0 24.9 35 24.7 24.9	92 65·1 65·1 93 65·8 65·8 94 66·5 66·5 7 95 67·2 67·2	151 106:8 106:8 152 107:5 107:5 153 108:2 108:2 154 108:9 108:9 155 109:6 109:6	211 149·2 149·2 212 149·9 149·9 213 150·6 150·6 214 151·3 151·3 215 152·0 152·0	271 191.6 191.6 272 192.3 192.3 273 193.0 193.0 274 193.7 193.7 275 194.5 194.5
36 25.5 25. 37 26.2 26. 38 26.9 26. 39 27.6 27. 40 28.3 28.	2 97 68·6 68·6 9 98 69·3 69·3 6 99 70·0 70·0 100 70·7 70·7	156 110·3 110·3 157 111·0 111·0 158 111·7 111·7 159 112·4 112·4 160 113·1 113·1	216 152·7 152·7 217 153·4 153·4 218 154·1 154·1 219 154·9 154·9 220 155·6 155·6	276 195·2 195·2 277 195·9 195·9 278 196·6 196·6 279 197·3 197·3 280 198·0 198·0
41 29.0 29.42 29.7 29.43 30.4 30.4 31.1 31.45 31.8 31.	7   102   72·1   72·1   4   103   72·8   72·8   1   104   73·5   73·5   8   105   74·2   74·2	161 113·8 113·8 162 114·6 114·6 163 115·3 115·3 164 116·0 116·0 165 116·7 116·7	221 156·3 156·3 222 157·0 157·0 223 157·7 157·7 224 158·4 158·4 225 159·1 159·1	281 198·7 198·7 282 199·4 199·4 283 200·1 200·1 284 200·8 200·8 285 201·5 201·5
46 32·5 32· 47 33·2 33· 48 33·9 33· 49 34·6 34· 50 35·4 35·	2   107 75·7 75·7 9   108 76·4 76·4 6   109 77·1 77·1 4   110 77·8 77·8	166 117.4 117.4 167 118.1 118.1 168 118.8 118.8 169 119.5 119.5 170 120.2 120.2	226 159·8 159·8 227 160·5 160·5 228 161·2 161·2 229 161·9 161·9 230 162·6 162·6	286 202·2 202·2 287 202·9 202·9 288 203·6 203·6 289 204·4 204·4 290 205·1 205·1
51 36·1 36· 52 36·8 36· 53 37·5 37· 54 38·2 38· 55 38·9 38·	8   112 79·2 79·2 5   113 79·9 79·9 2   114 80·6 80·6 9   115 81·3 81·3	171 120·9 120·9 172 121·6 121·6 173 122·3 122·3 174 123·0 123·0 175 123·7 123·7	231 163·3 163·3 232 164·0 164·0 233 164·8 164·8 234 165·5 165·5 235 166·2 166·2	291 205·8 205·8 292 206·5 206·5 293 207·2 207·2 294 207·9 207·9 295 208·6 208·6
56 39.6 39. 57 40.3 40. 58 41.0 41. 59 41.7 41. 60 42.4 42.	3   117   82·7   82·7 0   118   83·4   83·4 7   119   84·1   84·1	176 124·4 124·4 177 125·2 125·2 178 125·9 125·9 179 126·6 126·6 180 127·3 127·3	236 166·9 166·9 237 167·6 167·6 238 168·3 168·3 239 169·0 169·0 240 169·7 169·7	296 209·3 209·3 297 210·0 210·0 298 210·7 210·7 299 211·4 211·4 300 212·1 212·1
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1 01.0 00.0	61 61 0 01 1	121 121·0 02·1	181 181·0 03·2	241 241.0 04.2
2 02.0 00.0	62 62 0 01 1	122 122·0 02·1	182 182·0 03·2	242 242.0 04.2
3 03.0 00.1	63 63 0 01 1	123 123·0 02·1	183 183·0 03·2	243 243.0 04.2
4 04.0 00.1	64 64 0 01 1	124 124·0 02·2	184 184·0 03·2	244 244.0 04.3
5 05.0 00.1	65 65 0 01 1	125 125·0 02·2	185 185·0 03·2	245 245.0 04.3
6 06·0 00·1	66 66 0 01 2	126 126·0 02·2	186 186·0 03·2	246 246·0 04·3
7 07·0 00·1	67 67 0 01 2	127 127·0 02·2	187 187·0 03·3	247 247·0 04·3
8 08·0 00·1	68 68 0 01 2	128 128·0 02·2	188 188·0 03·3	248 248·0 04·3
9 09·0 00·2	69 69 0 01 2	129 129·0 02·3	189 189·0 03·3	249 249·0 04·3
10 10·0 00·2	70 70 0 01 2	130 130·0 02·3	190 190·0 03·3	250 250·0 04·4
11 11·0 00·2	71 71.0 01.2	131 131·0 02·3	191 191·0 03·3	251 251·0 04·4
12 12·0 00·2	72 72.0 01.3	132 132·0 02·3	192 192·0 03·4	252 252·0 04·4
13 13·0 00·2	73 73.0 01.3	133 133·0 02·3	193 193·0 03·4	253 253·0 04·4
14 14·0 00·2	74 74.0 01.3	134 134·0 02·3	194 194·0 03·4	254 254·0 04·4
15 15·0 00·3	75 75.0 01.3	135 135·0 02·4	195 195·0 03·4	255 255·0 04·5
16 16·0 00·3	76 76·0 01·3	136 136·0 02·4	196 196 0 03 4	256 256·0 04·5
17 17·0 00·3	77 77·0 01·3	137 137·0 02·4	197 197 0 03 4	257 257·0 04·5
18 18·0 00·3	78 78·0 01·4	138 138·0 02·4	198 198 0 03 5	258 258·0 04·5
19 19·0 00·3	79 79·0 01·4	139 139·0 02·4	199 199 0 03 5	259 259·0 04·5
20 20·0 00·3	80 80·0 01·4	140 140·0 02·4	200 200 0 03 5	260 260·0 04·5
21 21.0 00.4	81 81°0 01°4	141 141 0 02 5	201 201·0 03·5	261 261·0 04·6
22 22.0 00.4	82 82°0 01°4	142 142 0 02 5	202 202·0 03·5	262 262·0 04·6
23 23.0 00.4	83 83°0 01°4	143 148 0 02 5	203 203·0 03·5	263 263·0 04·6
24 24.0 00.4	84 84°0 01°5	144 144 0 02 5	204 204·0 03·6	264 264·0 04·6
25 25.0 00.4	85 85°0 01°5	145 145 0 02 5	205 205·0 03·6	265 265·0 04·6
26 26·0 00·5	86 86°0 01°5	146 146 0 02 5	206 206·0 03·6	266 266·0 04·6
27 27·0 00·5	87 87°0 01°5	147 147 0 02 6	207 207·0 03·6	267 267·0 04·7
28 28·0 00·5	88 88°0 01°5	148 148 0 02 6	208 208·0 03·6	268 268·0 04·7
29 29·0 00·5	89 89°0 01°6	149 149 0 02 6	209 209·0 03·6	269 269·0 04·7
30 30·0 00·5	90 90°0 01°6	150 150 0 02 6	210 210·0 03·7	270 270·0 04·7
31 31·0 00·5	91 91 0 01 6	151 151·0 02·6	211 211·0 03·7	271 271·0 04·7
32 32·0 00·6	92 92 0 01 6	152 152·0 02·7	212 212·0 03·7	272 272·0 04·7
33 33·0 00·6	93 93 0 01 6	153 153·0 02·7	213 213·0 03·7	273 273·0 04·8
34 34·0 00·6	94 94 0 01 6	154 154·0 02·7	214 214·0 03·7	274 274·0 04·8
35 35·0 00·6	95 95 0 01 7	155 155·0 02·7	215 215·0 03·8	275 275·0 04·8
36 °36°0 00°6	96 96 0 01 7	156 156·0 02·7	216 216·0 03·8	276 276·0 04·8
37 37°0 00°6	97 97 0 01 7	157 157·0 02·7	217 217·0 03·8	277 277·0 04·8
38 38°0 00°7	98 98 0 01 7	158 158·0 02·8	218 218·0 03·8	278 278·0 04·9
39 39°0 00°7	99 99 0 01 7	159 159·0 02·8	219 219·0 03·8	279 279·0 04·9
40 40°0 00°7	100 100 0 01 7	160 160·0 02·8	220 220·0 03·8	280 280·0 04·9
41 41 0 00 7	101 101·0 01·8	161 161·0 02·8	221 221·0 03·9	281 281·0 04·9
42 42 0 00 7	102 102·0 01·8	162 162·0 02·8	222 222·0 03·9	282 282·0 04·9
43 43 0 00 8	103 103·0 01·8	163 163·0 02·8	223 223·0 03·9	283 283·0 04·9
44 44 0 00 8	104 104·0 01·8	164 164·0 02·9	224 224·0 03·9	284 284·0 05·0
45 45 0 00 8	105 105·0 01·8	165 165·0 02·9	225 225·0 03·9	285 285·0 05·0
46 46.0 00.8	106 106·0 01·8	166 166·0 02·9	226 226·0 03·9	286 286.0 05.0
47 47.0 00.8	107 107·0 01·9	167 167·0 02·9	227 227·0 04·0	287 287.0 05.0
48 48.0 00.8	108 108·0 01·9	163 168·0 02·9	228 228·0 04·0	288 288.0 05.0
49 49.0 00.9	109 109·0 01·9	169 169·0 02·9	229 229·0 04·0	289 289.0 05.0
50 50.0 00.9	110 110·0 01·9	170 170·0 03·0	230 230·0 04·0	290 290.0 05.1
51 51·0 00·9	111 111·0 01·9	171 171·0 03·0	231 231·0 04·0	291 291.0 05.1
52 52·0 00·9	112 112·0 02·0	172 172·0 03·0	232 232·0 04·0	292 292.0 05.1
53 53·0 00·9	113 113·0 02·0	173 173·0 03·0	233 233·0 04·1	293 293.0 05.1
54 54·0 00·9	114 114·0 02·0	174 174·0 03·0	234 234·0 04·1	294 294.0 05.1
55 55·0 01·0	115 115·0 02·0	175 175·0 03·1	235 235·0 04·1	295 295.0 05.1
56 56.0 01.0	116 116·0 02·0	176 176·0 03·1	236 236·0 04·1	296 296·0 05·2
57 57.0 01.0	117 117·0 02·0	177 177·0 03·1	237 237·0 04·1	297 297·0 05·2
58 58.0 01.0	118 118·0 02·1	178 178·0 03·1	238 238·0 04·2	298 298·0 05·2
59 59.0 01.0	119 119·0 02·1	179 179·0 03·1	239 239·0 04·2	299 299·0 05·2
60 60.0 01.0	120 120·0 02·1	180 180·0 03·1	240 240·0 04·2	300 300·0 05·2
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Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01·0 00·0	61 61°0 02°1	121 120-9 04-2	181 180-9 06-3	241 240°9 08°4
2 02·0 00·1	62 62°0 02°2	122 121-9 04-3	182 181-9 06-4	242 241°9 08°4
3 03·0 00·1	63 63°0 02°2	123 122-9 04-3	183 182-9 06-4	243 242°9 08°5
4 04·0 00·1	64 64°0 02°2	124 123-9 04-3	184 183-9 06-4	244 243°9 08°5
5 05·0 00·2	65 65°0 02°3	125 124-9 04-4	185 184-9 06-5	245 244°9 08°6
6 06·0 00·2	66 66.0 02.3	126 125·9 04·4	186 185.9 06.5	246 245-9 08-6
7 07·0 00·2	67 67.0 02.3	127 126·9 04·4	187 186.9 06.5	247 246-8 08-6
8 08·0 00·3	68 68.0 02.4	128 127·9 04·5	188 187.9 06.6	248 247-8 08-7
9 09·0 00·3	69 69.0 02.4	129 128·9 04·5	189 188.9 06.6	249 248-8 08-7
10 10·0 00·3	70 70.0 02.4	130 129·9 04·5	190 189.9 06.6	250 249-8 08-7
11 11·0 00·4	71 71·0 02·5	131 130 9 04 6	191 190.9 06.7	251 250·8 08·8
12 12·0 00·4	72 72·0 02·5	132 131 9 04 6	192 191.9 06.7	252 251·8 08·8
13 13·0 00·5	73 73·0 02·5	133 132 9 04 6	193 192.9 06.7	253 252·8 08·8
14 14·0 00·5	74 74·0 02·6	134 133 9 04 7	194 193.9 06.8	254 253·8 08·9
15 15·0 00·5	75 75·0 02·6	135 134 9 04 7	195 194.9 06.8	255 254·8 08·9
16 16·0 00·6	76 76·0 02·7	136 135.9 04.7	196 195 9 06 8	256 255·8 08·9
17 17·0 00·6	77 77·0 02·7	137 136.9 04.8	197 196 9 06 9	257 256·8 09·0
18 18·0 00·6	78 78·0 02·7	138 137.9 04.8	198 197 9 06 9	258 257·8 09·0
19 19·0 00·7	79 79·0 02·8	139 138.9 04.9	199 198 9 06 9	259 258·8 09·0
20 20·0 00·7	80 80·0 02·8	140 139.9 04.9	200 199 9 07 0	260 259·8 09·1
21 21·0 00·7	81 81.0 02.8	141 140.9 04.9	201 200-9 07-0	261 260·8 09·1
22 22·0 00·8	82 82.0 02.9	142 141.9 05.0	202 201-9 07-0	262 261·8 09·1
23 23·0 00·8	83 82.9 02.9	143 142.9 05.0	203 202-9 07-1	263 262·8 09·2
24 24·0 00·8	84 83.9 02.9	144 143.9 05.0	204 203-9 07-1	264 263·8 09·2
25 25·0 00·9	85 84.9 03.0	145 144.9 05.1	205 204-9 07-2	265 264·8 09·2
26 26·0 00·9	86 85.9 03.0	146 145.9 05.1	206 205·9 07·2	266 265·8 09·3
27 27·0 00·9	87 86.9 03.0	147 146.9 05.1	207 206·9 07·2	267 266·8 09·3
28 28·0 01·0	88 87.9 03.1	148 147.9 05.2	208 207·9 07·3	268 267·8 09·4
29 29·0 01·0	89 88.9 03.1	149 148.9 05.2	209 208·9 07·3	269 268·8 09·4
30 30·0 01·0	90 89.9 03.1	150 149.9 05.2	210 209·9 07·3	270 269·8 09·4
31 31·0 01·1	91 90·9 03·2	151 150·9 05·3	211 210·9 07·4	271 270·8 09·5
32 32·0 01·1	92 91·9 03·2	152 151·9 05·3	212 211·9 07·4	272 271·8 09·5
33 33·0 01·2	93 92·9 03·2	153 152·9 05·3	213 212·9 07·4	273 272·8 09·5
34 34·0 01·2	94 93·9 03·3	154 153·9 05·4	214 213·9 07·5	274 273·8 09·6
35 35·0 01·2	95 94·9 03·3	155 154·9 05·4	215 214·9 07·5	275 274·8 09·6
36 36·0 01·3	96 95·9 03·4	156 155 9 05 4	216 215·9 07·5	276 275 8 09 6
37 37·0 01·3	97 96·9 03·4	157 156 9 05 5	217 216·9 07·6	277 276 8 09 7
38 38·0 01·3	98 97·9 03·4	158 157 9 05 5	218 217·9 07·6	278 277 8 09 7
39 39·0 01·4	99 98·9 03·5	159 158 9 05 5	219 218·9 07·6	279 278 8 09 7
40 40·0 01·4	100 99·9 03·5	160 159 9 05 6	220 219·9 07·7	280 279 8 09 8
41 41.0 01.4	101 100·9 03·5	161 160·9 05·6	221 220·9 07·7	281 280·8 00·8
42 42.0 01.5	102 101·9 03·6	162 161·9 05·7	222 221·9 07·7	282 281·8 09·8
43 43.0 01.5	103 102·9 03·6	163 162·9 05·7	223 222·9 07·8	283 282·8 09·9
44 44.0 01.5	104 103·9 03·6	164 163·9 05·7	224 223·9 07·8	284 283·8 09·9
45 45.0 01.6	105 104·9 03·7	165 164·9 05·8	225 224·9 07·9	285 284·8 09·9
46 460 01.6	106 105·9 03·7	166 165 9 05 8	226 225·9 07·9	286 285°8 10°0
47 47.0 01.6	107 106·9 03·7	167 166 9 05 8	227 226·9 07·9	287 286°8 10°0
48 48.0 01.7	108 107·9 03·8	168 167 9 05 9	228 227·9 08·0	288 287°8 10°1
49 49.0 01.7	109 103·9 03·8	169 168 9 05 9	229 228·9 08·0	289 288°8 10°1
50 50.0 01.7	110 109·9 03·8	170 169 9 05 9	230 229·9 08·0	290 289°8 10°1
51 51·0 01·8	111 110·9 03·9	171 170·9 06·0	231 230·9 08·1	291 290·8 10·2
52 52·0 01·8	112 111 9 03·9	172 171·9 06·0	232 231·9 08·1	292 291·8 10·2
53 53·0 01·8	113 112·9 03·9	173 172·9 06·0	233 232·9 08·1	293 292·8 10·2
54 54·0 01·9	114 113·9 04·0	174 173·9 06·1	234 233·9 08·2	294 293·8 10·3
55 55·0 01·9	115 114·9 04·0	175 174·9 06·1	235 234·9 08·2	295 294·8 10·3
56 56.0 02.0	116 115·9 04·0	176 175·9 06·1	236 235·9 08·2	296 295·8 10·3
57 57.0 02.0	117 116·9 04·1	177 176·9 06·2	237 236·9 08·3	297 296·8 10·4
58 58.0 02.0	118 117·9 04·1	178 177·9 06·2	238 237·9 08·3	298 297·8 10·4
59 59.0 02.1	119 118·9 04·2	179 178·9 06·2	239 238·9 08·3	299 298·8 10·4
60 60.0 02.1	120 119·9 04·2	180 179·9 06·3	240 239·9 08·4	300 299·8 10·5
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2 02·0 00·1	62 61°9 03°2	122 121·8 06·4	182 181·8 09·5	242 241·7 12·7
3 03·0 00·2	63 62°9 03°3	123 122·8 06·4	183 182·7 09·6	243 242·7 12·7
4 04·0 00·2	64 63°9 03°3	124 123·8 06·5	184 183·7 09·6	244 243·7 12·8
5 05·0 00·3	65 64°9 03°4	125 124·8 06·5	185 184·7 09·7	245 244·7 12·8
6 06.0 00.3	66 65 9 03 5	126 125·8 06·6	186 185·7 09·7	246 245.7 12.9
7 07.0 00.4	67 66 9 03 5	127 126·8 06·6	187 186·7 09·8	247 246.7 12.9
8 08.0 00.4	68 67 9 03 6	128 127·8 06·7	188 187·7 09·8	248 247.7 13.0
9 09.0 00.5	69 68 9 03 6	129 128·8 06·8	189 188·7 09·9	249 248.7 13.0
10 10.0 00.5	70 69 9 03 7	130 129·8 06·8	190 189·7 09·9	250 249.7 13.1
11 11·0 00·6	71 70·9 03·7	131 130·8 06·9	191 190.7 10.0	251 250·7 13·1
12 12·0 00·6	72 71·9 03·8	132 131·8 06·9	192 191.7 10.0	252 251·7 13·2
13 13·0 00·7	73 72·9 03·8	133 132·8 07·0	193 192.7 10.1	253 252·7 13·2
14 14·0 00·7	74 73·9 03·9	134 133·8 07·0	194 193.7 10.2	254 253·7 13·3
15 15·0 00·8	75 74·9 03·9	135 134·8 07·1	195 194.7 10.2	255 254·7 13·3
16 16·0 00·8	76 75-9 04-0	136 135·8 07·1	196 195.7 10.3	256 255.6 13.4
17 17·0 00·9	77 76-9 04-0	137 136·8 07·2	197 196.7 10.3	257 256.6 13.5
18 18·0 00·9	78 77-9 04-1	138 137·8 07·2	198 197.7 10.4	258 257.6 13.5
19 19·0 01·0	79 78-9 04-1	139 138·8 07·3	199 198.7 10.4	259 258.6 13.6
20 20·0 01·0	80 79-9 04-2	140 139·8 07·3	200 199.7 10.5	260 259.6 13.6
21 21·0 01·1	81 80.9 04.2	141 140'8 07'4	201 200·7 10·5	261 260 6 13 7
22 22·0 01·2	82 81.9 04.3	142 141'8 07'4	202 201·7 10·6	262 261 6 13 7
23 23·0 01·2	83 82.9 04.3	143 142'8 07'5	203 202·7 10·6	263 262 6 13 8
24 24·0 01·3	84 83.9 04.4	144 143'8 07'5	204 203·7 10·7	264 263 6 13 8
25 25·0 01·3	85 84.9 04.4	145 144'8 07'6	205 204·7 10·7	265 264 6 13 9
26 26.0 01.4	86 85 9 04 6	146 145·8 07·6	206 205.7 10.8	266 265.6 13.9
27 27.0 01.4	87 86 9 04 6	147 146·8 07·7	207 206.7 10.8	267 266.6 14.0
28 28.0 01.5	88 87 9 04 6	148 147·8 07·7	208 207.7 10.9	268 267.6 14.0
29 29.0 01.5	89 88 9 04 7	149 148·8 07·8	209 208.7 10.9	269 268.6 14.1
30 30.0 01.6	90 89 9 04 7	150 149·8 07·9	210 209.7 11.0	270 269.6 14.1
31 31·0 01·6	91 90.9 04.8	151 150·8 07·9	211 210·7 11·0	271 270.6 14.2
32 32·0 01·7	92 91.9 04.8	152 151·8 08·0	212 211·7 11·1	272 271.6 14.2
33 33·0 01·7	93 92.9 04.9	153 152·8 08·0	213 212·7 11·1	273 272.6 14.3
34 34·0 01·8	94 93.9 04.9	154 153·8 08·1	214 213·7 11·2	274 273.6 14.3
35 35·0 01·8	95 94.9 05.0	155 154·8 08·1	215 214·7 11·3	275 274.6 14.4
36 36 0 01 9	96 95 9 05 0	156 155·8 08·2	216 215·7 11·3	276 275.6 14.4
37 36 9 01 9	97 96 9 05 1	157 156·8 08·2	217 216·7 11·4	277 276.6 14.5
38 37 9 02 0	98 97 9 05 1	158 157·8 08·3	218 217·7 11·4	278 277.6 14.5
39 38 9 02 0	99 98 9 05 2	159 158·8 08·3	219 218·7 11·5	279 278.6 14.6
40 39 9 02 1	100 99 9 05 2	160 159·8 08·4	220 219·7 11·5	280 279.6 14.7
41 40.9 02.1	101 100 9 05 3	161 160·8 08·4	221 220·7 11·6	281 280 6 14 7
42 41.9 02.2	102 101 9 05 3	162 161·8 08·5	222 221·7 11·6	282 281 6 14 8
43 42.9 02.3	103 102 9 05 4	163 162·8 08·5	223 222·7 11·7	283 282 6 14 8
44 43.9 02.3	104 103 9 05 4	164 163·8 08·6	224 223·7 11·7	284 283 6 14 9
45 44.9 02.4	105 104 9 05 5	165 164·8 08·6	225 224·7 11·8	285 284 6 14 9
46 45.9 02.4	106 105 9 05 5	166 165·8 08·7	226 225·7 11·8	286 285.6 15.0
47 46.9 02.5	107 106 9 05 6	167 166·8 08·7	227 226·7 11·9	287 286.6 15.0
48 47.9 02.5	108 107 9 05 7	168 167·8 08·8	228 227·7 11·9	288 287.6 15.1
49 48.9 02.6	109 108 9 05 7	169 168·8 08·8	229 228·7 12·0	289 288.6 15.1
50 49.9 02.6	110 109 8 05 8	170 169·8 08·9	230 229·7 12·0	290 289.6 15.2
51 50.9 02.7 52 51.9 02.7 53 52.9 02.8 54 53.9 02.8 55 54.9 02.9 56 55.9 02.9	111 110·8 05·8 112 111·8 05·9 113 112·8 05·9 114 113·8 06·0 115 114·8 06·0 116 115·8 06·1	171 170·8 08·9 172 171·8 09·0 173 172·8 09·1 174 173·8 09·1 175 174·8 09·2	231 230·7 12·1 232 231·7 12·1 233 232·7 12·2 234 233·7 12·2 235 234·7 12·3 236 235·7 12·4	291 290 6 15-2 292 291 6 15-3 293 292 6 15-3 294 293 6 15-4 295 294 6 15-4
50 55 9 02 9	116 115'8 06'1	176 175·8 09·2	236 235·7 12·4	296 295·6 15·5
57 56 9 03 0	117 116'8 06'1	177 176·8 09·3	237 236·7 12·4	297 296·6 15·5
58 57 9 03 0	118 117'8 06'2	178 177·8 09·3	238 237·7 12·5	298 297·6 15·6
59 58 9 03 1	119 118'8 06'2	179 178·8 09·4	239 238·7 12·5	299 298·6 15·6
60 59 9 03 1	120 119'8 06'3	180 179·8 09·4	240 239·7 12·6	300 299·6 15·7
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3 03·0 00·2	63 62·8 04·4	123 122·7 08·6	183 182.6 12.8	243 242·4 17·0
4 04·0 00·3	64 63·8 04·5	124 123·7 08·6	184 183.6 12.8	244 243·4 17·0
5 05·0 00·3	65 64·8 04·5	125 124·7 08·7	185 184.5 12.9	245 244·4 17·1
6 06.0 00.4	66 65'8 04'6	126 125·7 08·8	186 185.5 13.0	246 245·4 17·2
7 07.0 00.5	67 66'8 04'7	127 126·7 08·9	187 186.5 13.0	247 246·4 17·2
8 08.0 00.6	68 67'8 04'7	128 127·7 08·9	188 187.5 13.1	248 247·4 17·3
9 09.0 00.6	60 68'8 04'8	129 128·7 09·0	189 188.5 13.2	249 248·4 17·4
10 10.0 00.7	70 69'8 04'9	130 129·7 09·1	190 189.5 13.3	250 249·4 17·4
11 11·0 00·8	71 70·8 05·0	131 130·7 09·1	191 190·5 13·3	251 250·4 17·5
12 12·0 00·8	72 71·8 05·0	132 131·7 09·2	192 191·5 13·4	252 251·4 17·6
13 13·0 00·9	73 72·8 05·1	133 132·7 09·3	193 192·5 13·5	253 252·4 17·6
14 14·0 01·0	74 73·8 05·2	134 133·7 09·3	194 193·5 13·5	254 253·4 17·7
15 15·0 01·0	75 74·8 05·2	135 134·7 09·4	195 194·5 13·6	255 254·4 17·8
16 16:0 01:1	76 75·8 05·3	136 135·7 09·5	196 195·5 13·7	256 255·4 17·9
17 17:0 01:2	77 76·8 05·4	137 136·7 09·6	197 196·5 13·7	257 256·4 17·9
18 18:0 01:3	78 77·8 05·4	138 137·7 09·6	198 197·5 13·8	258 257·4 18·0
19 19:0 01:3	79 78·8 05·5	139 138·7 09·7	199 198·5 13·9	259 258·4 18·1
20 20:0 01:4	80 79·8 05·6	140 139·7 09·8	200 199·5 14·0	260 259·4 18·1
21 20·9 01·5	81 80·8 05·7	141 140·7 09·8	201 200·5 14·0	261 260·4 18·2
22 21·9 01·5	82 81·8 05·7	142 141·7 09·9	202 201·5 14·1	262 261·4 18·3
23 22·9 01·6	83 82·8 05·8	143 142·7 10·0	203 202·5 14·2	263 262·4 18·3
24 23·9 01·7	84 83·8 05·9	144 143·6 10·0	204 203·5 14·2	264 263·4 18·4
25 24·9 01·7	85 84·8 05·9	145 144·6 10·1	205 204·5 14·3	265 264·4 18·5
26 25·9 01·8	86 85·8 06·0	146 145.6 10.2	206 205·5 14·4	266 265·4 18·6
27 26·9 01·9	87 86·8 06·1	147 146.6 10.3	207 206·5 14·4	267 266·3 18·6
28 27·9 02·0	88 87·8 06·1	148 147.6 10.3	208 207·5 14·5	268 267·3 18·7
29 28·9 02·0	89 83·8 06·2	149 148.6 10.4	209 208·5 14·6	269 263·3 18·8
30 29·9 02·1	90 89·8 06·3	150 149.6 10.5	210 209·5 14·6	270 269·3 18·8
31 30·9 02·2	91 90·8 06·3	151 150.6 10.5	211 210·5 14·7	271 270 3 18 9
32 31·9 02·2	92 91·8 06·4	152 151.6 10.6	212 211·5 14·8	272 271 3 19 0
33 32·9 02·3	93 92·8 06·5	153 152.6 10.7	213 212·5 14·9	273 272 3 19 0
34 33·9 02·4	94 93·8 06·6	154 153.6 10.7	214 213·5 14·9	274 273 3 19 1
35 34·9 02·4	95 94·8 06·6	155 154.6 10.8	215 214·5 15·0	275 274 3 19 2
36 35·9 02·5	96 95.8 06.7	156 155.6 10.9	216 215·5 15·1	276 275·3 19·3
37 36·9 02·6	97 96.8 06.8	157 156.6 11.0	217 216·5 15·1	277 276·3 19·3
38 37·9 02·7	98 97.8 06.8	158 157.6 11.0	218 217·5 15·2	278 277·3 19·4
39 38·9 02·7	99 98.8 06.9	159 158.6 11.1	219 218·5 15·3	279 278·3 19·5
40 39·9 02·8	100 99.8 07.0	160 159.6 11.2	220 219·5 15·3	280 279·3 19·5
42 41·9 02·9 43 42·9 03·0 44 43·9 03·1	101 100·8 07·0 102 101·8 07·1 103 102·7 07·2 104 103·7 07·3 105 104·7 07·3	161 160·6 11·2 162 161·6 11·3 163 162·6 11·4 164 163·6 11·4 165 164·6 11·5	221 220·5 15·4 222 221·5 15·5 223 222·5 15·6 224 223·5 15·6 225 224·5 15·7	281 280·3 19·6 282 281·3 19·7 283 282·3 19·7 284 283·3 19·8 285 284·3 19·9
47 46·9 03·3 48 47·9 03·3 49 48·9 03·4	106 105·7 07·4 107 106·7 07·5 108 107·7 07·5 109 108·7 07·6 110 109·7 07·7	166 165.6 11.6 167 166.6 11.6 168 167.6 11.7 169 168.6 11.8 170 169.6 11.9	226 225:4 15:8 227 226:4 15:8 228 227:4 15:9 229 228:4 16:0 230 229:4 16:0	286 285·3 20·0 287 286·3 20·0 288 287·3 20·1 289 288·3 20·2 290 289·3 20·2
52 51.9 03.6 53 52.9 03.7 54 53.9 03.8 55 54.9 03.8	111 110·7 07·7 112 111·7 07·8 113 112·7 07·9 114 113·7 08·0 115 114·7 08·0	171 170·6 11·9 172 171·6 12·0 173 172·6 12·1 174 173·6 12·1 175 174·6 12·2	231 230.4 16.1 232 231.4 16.2 233 232.4 16.3 234 233.4 16.3 235 234.4 16.4	291 290·3 20·3 292 291·3 20·4 293 292·3 20·4 294 293·3 20·5 295 294·3 20·6
57 56·9 04·0 58 57·9 04·0 59 58·9 04·1	116 115·7 08·1 117 116·7 08·2 118 117·7 08·2 119 118·7 08·3 120 119·7 08·4	176 175.6 12.3 177 176.6 12.3 178 177.6 12.4 179 178.6 12.5 180 179.6 12.6	236 235'4 16'5 237 236'4 16'5 238 237'4 16'6 239 238'4 16'7 240 239'4 16'7	296 295·3 20·6 297 296·3 20·7 298 297·3 20·8 299 298·3 20·9 300 299·3 20·9
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6 06·0 00·5 7 07·0 00·6 8 08·0 00·7 9 09·0 00·8 10 10·0 00·9	66 65·7 67 66·7 68 67·7 69 68·7 70 69·7	05·8 05·8 05·9 06·0 06·1	127 1 128 1 129 1	127·5 128·5	11·0 11·1 11·2 11·2 11·3	186 187 188 189 190	185·3 186·3 187·3 188·3 189·3	16.2 16.3 16.4 16.5 16.6	246 247 248 249 250	245·1 246·1 247·1 248·1 249·0	21·4 21·5 21·6 21·7 21·8
11 11·0 01·0 12 12·0 01·0 13 13·0 01·1 14 13·9 01·2 15 14·9 01·3	71 70·7 72 71·7 73 72·7 74 73·7 75 74·7	06·2 06·3 06·4 06·4 06·5	132 133 134	130·5 131·5 132·5 133·5 134·5	11.4 11.5 11.6 11.7 11.8	191 192 193 194 195	190·3 191·3 192·3 193·3 194·3	16.6 16.7 16.8 16.9 17.0	251 252 253 254 255	250·0 251·0 252·0 253·0 254·0	21.9 22.0 22.1 22.1 22.2
16 15·9 01·4 17 16·9 01·5 18 17·9 01·6 19 18·9 01·7 20 19·9 01·7	76 75·7 77 76·7 78 77·7 79 78·7 80 79·7	06.6 06.7 06.8 06.9 07.0	137 138 139	135·5 136·5 137·5 138·5 139·5	11.9 11.9 12.0 12.1 12.2	196 197 198 199 200	195·3 196·3 197·2 198·2 199·2	17·1 17·2 17·3 17·3 17·4	256 257 258 259 260	255·0 256·0 257·0 258·0 259·0	22·3 22·4 22·5 22·6 22·7
21 20·9 01·8 22 21·9 01·9 23 22·9 02·0 24 23·9 02·1 25 24·9 02·2	81 80·7 82 81·7 83 82·7 84 83·7 85 84·7	07·1 07·1 07·2 07·3 07·4	142 143 144	140·5 141·5 142·5 143·5 144·4	12:3 12:4 12:5 12:6 12:6	201 202 203 204 205	200·2 201·2 202·2 203·2 204·2	17.5 17.6 17.7 17.8 17.9	261 262 263 264 265	260·0 261·0 262·0 263·0 264·0	22·7 22·8 22·9 23·0 23·1
26 25·9 02·3 27 26·9 02·4 28 27·9 02·4 29 28·9 02·5 30 29·9 02·6	86 85·7 87 86·7 88 87·7 89 83·7 90 89·7	07·5 07·6 07·7 07·8 07·8	147 148 149	145·4 146·4 147·4 148·4 149·4	12:7 12:8 12:9 13:0 13:1	206 207 208 209 210	205·2 206·2 207·2 208·2 209·2	18.0 18.1 18.2 18.3	266 267 268 269 270	265·0 266·0 267·0 268·0 269·0	23·2 23·3 23·4 23·4 23·5
31 30·9 02·7 32 31·9 02·8 33 32·9 02·9 34 33·9 03·0 35 34·9 03·1	91 90·7 92 91·6 93 92·6 94 93·6 95 94·6	07.9 08.0 08.1 08.2 08.3	152 153 154	150·4 151·4 152·4 153·4 154·4	13·2 13·2 13·3 13·4 13·5	211 212 213 214 215	210·2 211·2 212·2 213·2 214·2	18·4 18·5 18·6 18·7 18·7	271 272 273 274 275	270·0 271·0 272·0 273·0 274·0	23.6 23.7 23.8 23.9 24.0
36 35·9 03·1 37 36·9 03·2 38 37·9 03·3 39 38·9 03·4 40 39·8 03·5	96 95·6 97 96·6 98 97·6 99 98·6 100 99·6	08·4 08·5 08·5 08·6 08·7	157 158 159	155·4 156·4 157·4 158·4 159·4	13.6 13.7 13.8 13.9 13.9	216 217 218 219 220	215·2 216·2 217·2 218·2 219·2	18·8 18·9 19·0 19·1 19·2	276 277 278 279 280	274·9 275·9 276·9 277·9 278·9	24·1 24·1 24·2 24·3 24·4
41 40·8 03·6 42 41·8 03·7 43 42·8 03·7 44 43·8 03·8 45 44·8 03·9	101 100·6 102 101·6 103 102·6 104 103·6 105 104·6	08.8 08.9 09.0 09.1 09.2	162 163 164	160·4 161·4 162·4 163·4 164·4	14·0 14·1 14·2 14·3 14·4	221 222 223 224 225	220·2 221·2 222·2 223·1 224·1	19·3 19·3 19·4 19·5 19·6	281 282 283 284 285	279·9 280·9 281·9 282·9 283·9	24·5 24·6 24·7 24·8 24·8
46 45·8 04·0 47 46·8 04·1 48 47·8 04·2 49 48·8 04·3 50 49·8 04·4	106 105·6 107 106·6 108 107·6 109 108·6 110 109·6	09·2 09·3 09·4 09·5 09·6	167 168 169	165·4 166·4 167·4 168·4 169·4	14·5 14·6 14·6 14·7 14·8	226 227 228 229 230	225·1 226·1 227·1 228·1 229·1	19·7 19·8 19·9 20·0 20·0	286 287 288 289 290	284.9 285.9 286.9 287.9 288.9	24.9 25.0 25.1 25.2 25.3
51 50·8 04·4 52 51·8 04·5 53 52·8 04·6 54 53·8 04·7 55 54·8 04·8	111 110·6 112 111·6 113 112·6 114 113·6 115 114·6	09·7 09·8 09·9 10·0	172 173 174	170·3 171·3 172·3 173·3 174·3	14·9 15·0 15·1 15·2 15·3	231 232 233 234 235	230·1 231·1 232·1 233·1 234·1	20·1 20·2 20·3 20·4 20·5	291 292 293 294 295	289·9 290·9 291·9 292·9 293·9	25·4 25·4 25·5 25·6 25·7
56 55·8 04·9 57 56·8 05·0 58 57·8 05·1 59 58·8 05·1 60 59·8 05·2	116 115·6 117 116·6 118 117·6 119 118·5 120 119·5	10·1 10·2 10·3 10·4 10·5	177 178 179	175·3 176·3 177·3 178·3 179·3	15·3 15·4 15·5 15·6 15·7	236 237 238 239 240	235·1 236·1 237·1 238·1 239·1	20.6 20.7 20.7 20.8 20.9	296 297 298 299 300	294·9 295·9 296·9 297·9 298·9	25·8 25·9 26·0 26·1 26·1
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7 07·0 8 08·0 9 09·0	00.6 00.7 00.8 00.9 01.0	66 67 68 69 70	65.6 66.6 67.6 68.6 69.6	06:9 07:0 07:1 07:2 07:3	126 127 128 129 130	125·3 126·3 127·3 128·3 129·3	13·2 13·3 13·4 13·5 13·6	186 187 188 189 190	185.0 186.0 187.0 188.0 189.0	19·4 19·5 19·7 19·8 19·9	246 247 248 249 250	244.7 245.6 246.6 247.6 248.6	25·7 25·8 25·9 26·0 26·1
12 11.9 13 12.9 14 13.9	01·1 01·3 01·4 01·5 01·6	71 72 73 74 75	70.6 71.6 72.6 73.6 74.6	07·4 07·5 07·6 07·7 07·8	131 132 133 134 135	130·3 131·3 132·3 133·3 134·3	13.7 13.8 13.9 14.0 14.1	191 192 193 194 195	190.0 190.9 191.9 192.9 193.9	20·0 20·1 20·2 20·3 20·4	251 252 253 254 255	249.6 250.6 251.6 252.6 253.6	26·2 26·3 26·4 26·6 26·7
17 16·9 18 17·9 19 18·9	01·7 01·8 01·9 02·0 02·1	76 77 78 79 80	75.6 76.6 77.6 78.6 79.6	07.9 08.0 08.2 08.3 08.4	136 137 138 139 140	135·3 136·2 137·2 138·2 139·2	14·2 14·3 14·4 14·5 14·6	196 197 198 199 200	194·9 195·9 196·9 197·9 198·9	20·5 20·6 20·7 20·8 20·9	256 257 258 259 260	254.6 255.6 256.6 257.6 258.6	26·8 26·9 27·0 27·1 27·2
21 20·9	02·2	81	80.6	08.5	141	140·2	14·7	201	199·9	21·0	261	259.6	27·3
22 21·9	02·3	82	81.6	08.6	142	141·2	14·8	202	200·9	21·1	262	260.6	27·4
23 22·9	02·4	83	82.5	08.7	143	142·2	14·9	203	201·9	21·2	263	261.6	27·5
24 23·9	02·5	84	83.5	08.8	144	143·2	15·1	204	202·9	21·3	264	262.6	27·6
25 24·9	02·6	85	84.5	08.9	145	144·2	15·2	205	203·9	21·4	265	263.5	27·7
26 25·9	02·7	86	85·5	09·0	146	145·2	15·3	206	204 · 9	21.5	266	264·5	27·8
27 26·9	02·8	87	86·5	09·1	147	146·2	15·4	207	205 · 9	21.6	267	265·5	27·9
28 27·8	02·9	88	87·5	09·2	148	147·2	15·5	208	206 · 9	-21.7	268	266·5	28·0
29 28·8	03·0	89	88·5	09·3	149	148·2	15·6	209	207 · 9	21.8	269	267·5	28·1
30 29·8	03·1	90	89·5	09·4	150	149·2	15·7	210	208 · 8	22.0	270	268·5	28·2
31 30·8	03·2	91	90·5	09·5	151	150·2	15·8	211	209.8	22·1	271	269·5	28·3
32 31·8	03·3	92	91·5	09·6	152	151·2	15·9	212	210.8	22·2	272	270·5	28·4
33 32·8	03·4	93	92·5	09·7	153	152·2	16·0	213	211.8	22·3	273	271·5	28·5
34 33·8	03·6	94	93·5	09·8	154	153·2	16·1	214	212.8	22·4	274	272·5	28·6
35 34·8	03·7	95	94·5	09·9	155	154·2	16·2	215	213.8	22·5	275	273·5	28·7
36 35·8	03·8	96	95·5	10·0	156	155·1	16·3	216	214·8	22.6	276	274·5	28·8
37 36·8	03·9	97	96·5	10·1	157	156·1	16·4	217	215·8	22.7	277	275·5	29·0
38 37·8	04·0	98	97·5	10·2	158	157·1	16·5	218	216·8	22.8	278	276·5	29·1
39 38·8	04·1	99	98·5	10·3	159	158·1	16·6	219	217·8	22.9	279	277·5	29·2
40 39·8	04·2	100	99·5	10·5	160	159·1	16·7	220	218·8	23.0	280	278·5	29·3
41 40·8	04·3	101	100·4	10.6	161	160·1	16.8	221	219·8	23·1	281	279·5	29·4
42 41·8	04·4	102	101·4	10.7	162	161·1	16.9	222	220·8	23·2	282	280·5	29·5
43 42·8	04·5	103	102·4	10.8	163	162·1	17.0	223	221·8	23·3	283	281·4	29·6
44 43·8	04·6	104	103·4	10.9	164	163·1	17.1	224	222·8	23·4	284	282·4	29·7
45 44·8	04·7	105	104·4	11.0	165	164·1	17.2	225	223·8	23·5	285	283·4	29·8
46 45.7	04·8	106	105·4	11·1	166	165·1	17·4	226	224·8	23·6	286	284·4	29·9
47 46.7	04·9	107	106·4	11·2	167	166·1	17·5	227	225·8	23·7	287	285·4	30·0
48 47.7	05·0	108	107·4	11·3	168	167·1	17·6	228	226·8	23·8	288	286·4	30·1
49 48.7	05·1	109	108·4	11·4	169	168·1	17·7	229	227·7	23·9	289	287·4	30·2
50 49.7	05·2	110	109·4	11·5	170	169·1	17·8	230	228·7	24·0	290	288·4	30·3
51 50·7	05·3	111	110·4	11.6	171	170·1	17·9	231	229·7	24·1	291	289.4	30·4
52 51·7	05·4	112	111·4	11.7	172	171·1	18·0	232	230·7	24·3	292	290.4	30·5
53 52·7	05·5	113	112·4	11.8	173	172·1	18·1	233	231·7	24·4	293	291.4	30·6
54 53·7	05·6	114	113·4	11.9	174	173·0	18·2	234	232·7	24·5	294	292.4	30·7
55 54·7	05·7	115	114·4	12.0	175	174·0	18·3	235	233·7	24·6	295	293.4	30·8
56 55·7	05.9	116	115·4	12·1	176	175·0	18·4	236	234°7	24·7	296	294·4	30·9
57 56·7	06.0	117	116·4	12·2	177	176·0	18·5	237	235°7	24·8	297	295·4	31·0
58 57·7	06.1	118	117·4	12·3	178	177·0	18·6	238	236°7	24·9	298	296·4	31·1
59 58·7	06.2	119	118·3	12·4	179	178·0	18·7	239	237°7	25·0	299	297·4	31·3
60 59·7	06.3	120	119·3	12·5	180	179·0	18·8	240	238°7	25·1	300	298·4	31·4
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7 069 009 67 665 082 127 126:1 15:5 187 185:6 223 247 245:2 3 9 08:9 01:1 69 68:5 08:4 129 128:0 15:7 188 1866 22:9 248 246:2 3 9 08:9 01:1 69 68:5 08:4 129 128:0 15:7 189 187:6 23:0 240 247:1 3	80·0 80·1 80·2 80·3 80·5
12 11-9 01-5 72 71-5 08-8 132 131-0 16-1 192 190-6 23-4 252 250-1 3 13 12-9 01-6 73 72-5 08-9 133 132-0 16-2 193 191-6 23-5 253 251-1 3 14 13-9 01-7 74 73-4 09-0 134 133-0 16-3 194 192-6 23-6 254 252-1 3	80.6 80.7 80.8 81.0 81.1
17 169 02:1 77 76:4 09:4 187 188:0 16:7 197 195:5 24:0 257 255:1 3 18 17:9 02:2 78 77:4 09:5 138 137:0 16:8 198 196:5 24:1 258 256:1 3 19 18:9 02:3 79 78:4 09:6 139 18:9 16:9 199 197:5 24:3 259 257:1 3 20 19:9 02:4 80 79:4 09:7 140 139:0 17:1 200 198:5 24:4 260 258:1 3	1·2 1·3 1·4 1·6 1·7
22     21:8     02:7     82     81:4     10:0     142     140:9     17:3     202     200:5     24:6     262     260:0     3       23     22:8     02:8     83     82:4     10:1     143     141:9     17:4     203     201:5     24:7     263     261:0     3       24     23:8     02:9     84     83:4     10:2     144     142:9     17:5     204     202:5     24:9     264     262:0     3       25     24:8     03:0     85     84:4     10:4     145     143:9     17:7     205     203:5     25:0     265     263:0     3	1.8 1.9 2.1 2.2 2.3
27     26:8     03:3     87     86:4     10:6     147     145:9     17:9     207     205:5     25:2     267     266:0     3       28     27:8     03:4     88     87:3     10:7     148     146:9     18:0     208     206:4     25:5     268     266:0     3       29     28:8     03:5     89     83:3     10:8     149     147:9     18:2     209     207:4     25:5     269     267:0     3       30     29:8     03:7     90     89:3     11:0     150     148:9     13:3     210     208:4     25:6     270     268:0     3	2·4 2·5 2·7 2·8 2·9
32 31·8 03·9 92 91·3 11·2 152 150·9 18·5 212 210·4 25·8 272 270·0 3 33 32·8 04·0 93 92·3 11·3 153 151·9 18·6 213 211·4 26·0 273 271·0 3 34 33·7 04·1 94 93·3 11·5 154 152·9 18·8 214 212·4 26·1 274 272·0 3 35 34·7 04·3 95 94·3 11·6 155 153·8 18·9 215 213·4 26·2 275 273·0 3	3·0 3·1 3·3 3·4 3·5
37     36·7     04·5     97     96·3     11·8     157     155·8     19·1     217     215·4     26·4     277     274·9     3       38     37·7     04·6     98     97·3     11·9     158     156·8     19·3     218     216·4     26·6     278     275·9     3       39     38·7     04·8     99     98·3     12·1     159     157·8     19·4     219     217·4     26·7     279     276·9     3       40     39·7     04·9     100     99·3     12·2     160     158·8     19·5     220     218·4     26·8     280     277·9     3	3·6 3·8 3·9 4·0 4·1
42     41·7     05·1     102     101·2     12·4     162     160·8     19·7     222     220·3     27·1     282     279·9     3       43     42·7     05·2     103     102·2     12·6     163     16·8     19·9     223     221·3     27·2     283     280·9     3       44     43·7     05·5     105     104·2     12·8     165     163·8     20·1     224     222·3     27·3     284     281·9     3       45     44·7     05·5     105     104·2     12·8     165     163·8     20·1     225     223·3     27·4     285     282·9     3	4·2 4·4 4·5 4·6 4·7
47     466     65·7     107     106·2     13·0     167     165·8     20·4     227     225·3     27·7     287     284·9       48     47·6     05·8     108     107·2     13·2     168     166·7     20·5     228     226·3     27·8     288     285·9     3       49     48·6     06·0     109     108·2     13·3     169     167·7     20·6     229     227·3     27·9     289     286·8     3       50     49·6     06·1     110     109·2     13·4     170     168·7     20·7     230     223·3     28·0     290     287·8     3	4·9 5·0 5·1 5·2 5·3
52     51-6     06-3     112     111-2     13-6     172     170-7     21-0     232     230-3     28-3     292     289-8     3       58     52-6     06-5     113     112-2     13-8     173     171-7     21-1     233     231-3     28-4     293     290-8     3       54     58-6     06-6     114     113-2     13-9     174     172-7     21-2     234     232-3     28-5     294     291-8     3       55     54-6     06-7     115     114-1     14-0     175     173-7     21-3     235     233-2     28-6     295     292-8     3	5·5 5·6 5·7 5·8 6·0
58 57 6 67 6 9 117 116 1 14 3 177 175 7 21 6 237 235 2 28 9 297 294 8 3 5 5 5 6 67 2 119 118 117 1 14 4 178 176 7 21 7 238 236 2 29 0 298 295 8 3 5 5 5 5 6 67 2 119 118 1 14 5 179 177 7 21 8 239 237 2 29 1 299 296 8 3 6	3·1 3·2 3·3 3·4 3·6
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3 03·0 00·4	63 62·4 08·8	123 121·8 17·1	183 181·2 25·5	243 240*6 33*8
4 04·0 00·6	64 63·4 08·9	124 122·8 17·3	184 182·2 25·6	244 241*6 34*0
5 05·0 00·7	65 64·4 09·0	125 123·8 17·4	185 183·2 25·7	245 242*6 34*1
6 05·9 00·8	66 65·4 09·2	126 124·8 17·5	186 184·2 25·9	246 243.6 34.2
7 06·9 01·0	67 66·3 09·3	127 125·8 17·7	187 185·2 26·0	247 244.6 34.4
8 07·9 01·1	68 67·3 09·5	128 126·8 17·8	188 186·2 26·2	248 245.6 34.5
9 08·9 01·3	69 68·3 09·6	129 127·7 18·0	189 187·2 26·3	249 246.6 34.7
10 09·9 01·4	70 69·3 09·7	130 128·7 18·1	190 188·2 26·4	250 247.6 34.8
11 10·9 01·5	71 70·3 09·9	131 129·7 18·2	191 189·1 26·6	251 248.6 34.9
12 11·9 01·7	72 71·3 10·0	132 130·7 18·4	192 190·1 26·7	252 249.5 35.1
13 12·9 01·8	73 72·3 10·2	133 131·7 18·5	193 191·1 26·9	253 250.5 35.2
14 13·9 01·9	74 73·3 10·3	134 132·7 18·6	194 192·1 27·0	254 251.5 35.3
15 14·9 02·1	75 74·3 10·4	135 133·7 18·8	195 193·1 27·1	255 252.5 35.5
16 15·8 02·2	76 75·3 10·6	136 134·7 18·9	196 194·1 27·3	256 253·5 35·6
17 16·8 02·4	77 76·3 10·7	137 135·7 19·1	197 195·1 27·4	257 254·5 35·8
18 17·8 02·5	78 77·2 10·9	138 136·7 19·2	198 196·1 27·6	258 255·5 35·9
19 18·8 02·6	79 78·2 11·0	139 137·7 19·3	199 197·1 27·7	259 256·5 36·0
20 19·8 02·8	80 79·2 11·1	140 138·6 19·5	200 198·1 27·8	260 257·5 36·2
21 20·8 02·9	81 80·2 11·3	141 139.6 19.6	201 199·0 28·0	261 258·5 36·3
22 21·8 03·1	82 81·2 11·4	142 140.6 19.8	202 200·0 28·1	262 259·5 36·5
23 22·8 03·2	83 82·2 11·6	143 141.6 19.9	203 201·0 28·3	263 260·4 36·6
24 23·8 03·3	84 83·2 11·7	144 142.6 20.0	204 202·0 28·4	264 261·4 36·7
25 24·8 03·5	85 84·2 11·8	145 143.6 20.2	205 203·0 28·5	265 262·4 36·9
26 25·7 03·6	86 85.2 12.0	146 144·6 20·3	206 204 0 28 7	266 263·4 37·0
27 26·7 03·8	87 86.2 12.1	147 145·6 20·5	207 205 0 28 8	267 264·4 37·2
28 27·7 03·9	88 87.1 12.2	148 146·6 20·6	208 206 0 28 9	268 265·4 37·3
29 28·7 04·0	89 88.1 12.4	149 147·5 20·7	209 207 0 29 1	269 266·4 37·4
30 29·7 04·2	90 89.1 12.5	150 148·5 20·9	210 208 0 29 2	270 267·4 37·6
31 30·7 04·8	91 90·1 12·7	151 149·5 21·0	211 208.9 29.4	271 268:4 37:7
32 31·7 04·5	92 91·1 12·8	152 150·5 21·2	212 209.9 29.5	272 269:4 37:9
33 32·7 04·6	93 92·1 12·9	153 151·5 21·3	213 210.9 29.6	273 270:3 38:0
34 33·7 04·7	94 93·1 13·1	154 152·5 21·4	214 211.9 29.8	274 271:3 38:1
35 34·7 04·9	95 94·1 13·2	155 153·5 21·6	215 212.9 29.9	275 272:3 38:3
36 35.6 05.0	96 95·1 13·4	156 154·5 21·7	216 213.9 30.1	276 273·3 38·4
37 36.6 05.1	97 96·1 13·5	157 155·5 21·9	217 214.9 30.2	277 274·3 38·6
38 37.6 05.3	98 97·0 13·6	158 156·5 22·0	218 215.9 30.3	278 275·3 38·7
39 38.6 05.4	99 98·0 13·8	159 157·5 22·1	219 216.9 30.5	279 276·3 38·8
40 39.6 05.6	100 99·0 13·9	160 158·4 22·3	220 217.9 30.6	280 277·3 39·0
41 40.6 05.7	101 100·0 14·1	161 159.4 22.4	221 218·8 30·8	281 278·3 39·1
42 41.6 05.8	102 101·0 14·2	162 160.4 22.5	222 219·8 30·9	282 279·3 39·2
43 42.6 06.0	103 102·0 14·3	163 161.4 22.7	223 220·8 31·0	283 280·2 39·4
44 43.6 06.1	104 103·0 14·5	164 162.4 22.8	224 221·8 31·2	284 281·2 39·5
45 44.6 06.3	105 104·0 14·6	165 163.4 23.0	225 222·8 31·3	285 282·2 39·7
46 45.6 06.4	106 105·0 14·8	166 164·4 23·1	226 223·8 31·5	286 283·2 39·8
47 46.5 06.5	107 106·0 14·9	167 165·4 23·2	227 224·8 31·6	287 284·2 39·9
48 47.5 06.7	108 106·9 15·0	168 166·4 23·4	228 225·8 31·7	288 285·2 40·1
49 48.5 06.8	109 107·9 15·2	169 167·4 23·5	229 226·8 31·9	289 286·2 40·2
50 49.5 07.0	110 108·9 15·3	170 168·3 23·7	230 227·8 32·0	290 287·2 40·4
51 50·5 07·1	111 109·9 15·4	171 169·3 23·8	231 228·8 32·1	291 288·2 40·5
52 51·5 07·2	112 110·9 15·6	172 170·3 23·9	232 229·7 32·3	292 289·2 40·6
53 52·5 07·4	113 111·9 15·7	178 171·3 24·1	233 230·7 32·4	293 290·1 40·8
54 53·5 07·5	114 112·9 15·9	174 172·3 24·2	234 231·7 32·6	294 291·1 40·9
55 54·5 07·7	115 113·9 16·0	175 173·3 24·4	235 232·7 32·7	295 292·1 41·1
56 55.5 07.8	116 114 9 16 1	176 174·3 24·5	236 233.7 32.8	296 293·1 41·2
57 56.4 07.9	117 115 9 16 3	177 175·3 24·6	237 234.7 33.0	297 294·1 41·3
58 57.4 08.1	118 116 9 16 4	178 176·3 24·8	238 235.7 33.1	298 295·1 41·5
59 58.4 08.2	119 117 8 16 6	179 177·3 24·9	239 236.7 33.3	299 296·1 41·6
60 59.4 08.4	120 118 8 16 7	180 178·2 25·1	240 237.7 33.4	300 297·1 41·8
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i	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
	1	01·0	00°2	61	60°2	09·5	121	119·5	18.9	181	178·8	28·3	241	238·0	37.7
	2	02·0	00°3	62	61°2	09·7	122	120·5	19.1	182	179·8	28·5	242	239·0	37.9
	3	03·0	00°5	63	62°2	09·9	123	121·5	19.2	183	180·7	28·6	243	240·0	38.0
	4	04·0	00°6	64	63°2	10·0	124	122·5	19.4	184	181·7	28·8	244	241·0	38.2
	5	04·9	00°8	65	64°2	10·2	125	123·5	19.6	185	182·7	28·9	245	242·0	38.3
	6 7 8 9	05.9 06.9 07.9 08.9 09.9	00.9 01.1 01.3 01.4 01.6	66 67 68 69 70	65·2 66·2 67·2 68·2 69·1	10·3 10·5 10·6 10·8 11·0	126 127 128 129 130	124·4 125·4 126·4 127·4 128·4	19.7 19.9 20.0 20.2 20.3	186 187 188 189 190	183·7 184·7 185·7 186·7 187·7	29·1 29·3 29·4 29·6 29·7	246 247 248 249 250	243.0 244.0 244.9 245.9 246.9	38.5 38.6 38.8 39.0 39.1
	11	10.9	01·7	71	70·1	11·1	131	129·4	20.5	191	188.6	29·9	251	247.9	39·3
	12	11.9	01·9	72	71·1	11·3	132	130·4	20.6	192	189.6	30·0	252	248.9	39·4
	13	12.8	02·0	73	72·1	11·4	133	131·4	20.8	193	190.6	30·2	253	249.9	39·6
	14	13.8	02·2	74	73·1	11·6	134	132·4	21.0	194	191.6	30·3	254	250.9	39·7
	15	14.8	02·3	75	74·1	11·7	135	133·3	21.1	195	192.6	30·5	255	251.9	39·9
	16	15·8	02·5	76	75·1	11.9	136	134·3	21·3	196	193.6	30·7	256	252*8	40.0
	17	16·8	02·7	77	76·1	12.0	137	135·3	21·4	197	194.6	30·8	257	253*8	40.2
	18	17·8	02·8	78	77·0	12.2	138	136·3	21·6	198	195.6	31·0	258	254*8	40.4
	19	18·8	03·0	79	78·0	12.4	139	137·3	21·7	199	196.5	31·1	259	255*8	40.5
	20	19·8	03·1	80	79·0	12.5	140	138·3	21·9	200	197.5	31·3	260	256*8	40.7
	21	20·7	03·3	81	80.0	12·7	141	139·3	22·1	201	198.5	31.4	261	257.8	40.8
	22	21·7	03·4	82	81.0	12·8	142	140·3	22·2	202	199.5	31.6	262	258.8	41.0
	23	22·7	03·6	83	82.0	13·0	143	141·2	22·4	203	200.5	31.8	263	259.8	41.1
	24	23·7	03·8	84	83.0	13·1	144	142·2	22·5	204	201.5	31.9	264	260.7	41.3
	25	24·7	03·9	85	84.0	13·3	145	143·2	22·7	205	202.5	32.1	265	261.7	41.5
	26	25·7	04·1	86	84·9	13.5	146	144·2	22·8	206	203.5	32·2	266	262·7	41.6
	27	26·7	04·2	87	85·9	13.6	147	145·2	23·0	207	204.5	32·4	267	263·7	41.8
	28	27·7	04·4	88	86·9	13.8	148	146·2	23·2	208	205.4	32·5	268	264·7	41.9
	29	28·6	04·5	89	87·9	13.9	149	147·2	23·3	209	206.4	32·7	269	265·7	42.1
	30	29·6	04·7	90	88·9	14.1	150	148·2	23·5	210	207.4	32·9	270	266·7	42.2
I	31	30·6	04.8	91	89·9	14·2	151	149°1	23.6	211	208·4	33·0	271	267·7	42.4
	32	31·6	05.0	92	90·9	14·4	152	150°1	23.8	212	209·4	33·2	272	268·7	42.6
	33	32·6	05.2	93	91·9	14·5	153	151°1	23.9	213	210·4	33·3	273	269·6	42.7
	34	33·6	05.3	94	92·8	14·7	154	152°1	24.1	214	211·4	33·5	274	270·6	42.9
	35	34·6	05.5	95	93·8	14·9	155	153°1	24.2	215	212·4	33·6	275	271·6	43.0
	36	35.6	05.6	96	94·8	15.0	156	154·1	24·4	216	213·3	33·8	276	272.6	43·2
	37	36.5	05.8	97	95·8	15.2	157	155·1	24·6	217	214·3	33·9	277	273.6	43·3
	38	37.5	05.9	98	96·8	15.8	158	156·1	24·7	218	215·3	34·1	278	274.6	43·5
	39	38.5	06.1	99	97·8	15.5	159	157·0	24·9	219	216·3	34·3	279	275.6	43·6
	40	39.5	06.3	100	98·8	15.6	160	158·0	25·0	220	217·3	34·4	280	276.6	43·8
	41	40·5	06·4	101	99·8	15·8	161	159.0	25·2	221	218·3	34.6	281	277.5	44.0
	42	41·5	06·6	102	100·7	16·0	162	160.0	25·3	222	219·3	34.7	282	278.5	44.1
	43	42·5	06·7	103	101·7	16·1	163	161.0	25·5	223	220·3	34.9	283	279.5	44.3
	44	43·5	06·9	104	102·7	16·3	164	162.0	25·7	224	221·2	35.0	284	280.5	44.4
	45	44·4	07·0	105	103·7	16·4	165	163.0	25·8	225	222·2	35.2	285	281.5	44.6
	46 47 48 49 50	45·4 46·4 47·4 48·4 49·4	07·2 07·4 07·5 07·7 07·8	106 107 108 109 110	104·7 105·7 106·7 107·7 108·6	16·6 16·7 16·9 17·1 17·2	166 167 168 169 170	164.9 165.9 166.9 167.9	26.0 26.1 26.3 26.4 26.6	226 227 228 229 230	223·2 224·2 225·2 226·2 227·2	35·4 35·5 35·7 35·8 36·0	286 287 288 289 290	282.5 283.5 284.5 285.4 286.4	44.7 44.9 45.1 45.2 45.4
	51	50·4	08·0	111	109.6	17·4	171	168·9	26·8	231	228·2	36·1	291	287·4	45.5
	52	51·4	08·1	112	110.6	17·5	172	169·9	26·9	232	229·1	36·3	292	288·4	45.7
	53	52·3	08·3	113	111.6	17·7	173	170·9	27·1	233	230·1	36·4	293	289·4	45.8
	54	53·3	08·4	114	112.6	17·8	174	171·9	27·2	234	231·1	36·6	294	290·4	46.0
	55	54·3	08·6	115	113.6	18·0	175	172·8	27·4	235	232·1	36·8	295	291·4	46.1
	56	55·3	08·8	116	114.6	18·1	176	173·8	27·5	236	233·1	36·9	296	292·4	46.3
	57	56·3	08·9	117	115.6	18·3	177	174·8	27·7	237	234·1	37·1	297	293·3	46.5
	58	57·3	09·1	118	116.5	18·5	178	175·8	27·8	238	235·1	37·2	298	294·3	46.6
	59	58·3	09·2	119	117.5	18·6	179	176·8	28·0	239	236·1	37·4	299	295·3	46.8
	60	59·3	09·4	120	118.5	18·8	180	177·8	28·2	240	237·0	37·5	300	296·3	46.9
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				FOF 10.
Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01·0 00·2	61 60·1 10·6	121 119·2 21·0	181 178·3 31·4	241 237·8 41·8
2 02·0 00·3	62 61·1 10·8	122 120·1 21·2	182 179·2 31·6	242 233·3 42·0
3 03·0 00·5	63 62·0 10·9	123 121·1 21·4	183 180·2 31·8	243 239·3 42·2
4 03·9 00·7	64 63·0 11·1	124 122·1 21·5	184 181·2 32·0	244 240·3 42·4
5 04·9 00·9	65 64.0 11.3	125 123·1 21·7	185 182·2 32·1	245 241'3 42'5
6 05·9 01·0	66 65.0 11.5	126 124·1 21·9	186 183·2 32·3	246 242'3 42'7
7 06·9 01·2	67 66.0 11.6	127 125·1 22·1	187 184·2 32·5	247 243'2 42'9
8 07·9 01·4	68 67.0 11.8	128 126·1 22·2	188 185·1 32·6	248 244'2 43'1
9 08·9 01·6	69 68.0 12.0	129 127·0 22·4	189 186·1 32·8	249 245'2 43'2
10 09·8 01·7	70 68.9 12.2	130 128·0 22·6	190 187·1 33·0	250 246'2 43'4
11 10·8 01·9	71 69·9 12·3	131 129·0 22·7	191 188·1 33·2	251 247·2 43·6
12 11·8 02·1	72 70·9 12·5	132 130·0 22·9	192 189·1 33·3	252 248·2 43·8
13 12·8 02·3	73 71·9 12·7	133 131·0 23·1	193 190·1 33·5	253 249·2 43·9
14 13·8 02·4	74 72·9 12·8	134 132·0 23·3	194 191·1 33·7	254 250·1 44·1
15 14·8 02·6	75 73·9 13·0	135 132·9 23·4	195 192·0 33·9	255 251·1 44·3
16 15·8 02·8	76 74·8 13·2	136 133-9 23-6	196 193·0 34·0	256 252·1 44·5
17 16·7 03·0	77 75·8 13·4	137 134-9 23-8	197 194·0 34·2	257 253·1 44·6
18 17·7 03·1	78 76·8 13·5	138 135-9 24-0	198 195·0 34·4	258 254·1 44·8
19 18·7 03·3	79 77·8 13·7	139 136-9 24-1	199 196·0 34·6	259 255·1 45·0
20 19·7 03·5	80 78·8 13·9	140 137-9 24-3	200 197·0 34·7	260 256·1 45·1
21 20·7 03·6	81 79·8 14·1	141 138·9 24·5	201 197 9 34 9	261 257.0 45.3
22 21·7 03·8	82 80·8 14·2	142 139·8 24·7	202 198 9 35 1	262 258.0 45.5
23 22·7 04·0	83 81·7 14·4	143 140·8 24·8	203 199 9 35 3	263 259.0 45.7
24 23·6 04·2	84 82·7 14·6	144 141·8 25·0	204 200 9 35 4	264 260.0 45.8
25 24·6 04·3	85 83·7 14·8	145 142·8 25·2	205 201 9 35 6	265 261.0 46.0
26 25·6 04·5	86 84·7 14·9	146     143.8     25.4       147     144.8     25.5       148     145.8     25.7       149     146.7     25.9       150     147.7     26.0	206 202.9 35.8	266 262.0 46.2
27 26·6 04·7	87 85·7 15·1		207 203.9 35.9	267 262.9 46.4
28 27·6 04·9	88 86·7 15·3		208 204.8 36.1	268 263.9 46.5
29 28·6 05·0	89 87·6 15·5		209 205.8 36.3	269 264.9 46.7
30 29·5 05·2	90 83·6 15·6		210 206.8 36.5	270 265.9 46.9
31 30·5 05·4	91 89.6 15.8	151 148·7 26·2	211 207·8 36·6	271 266 9 47·1
32 31·5 05·6	92 90.6 16.0	152 149·7 26·4	212 208·8 36·8	272 267·9 47·2
33 32·5 05·7	93 91.6 16.1	153 150·7 26·6	213 209·8 37·0	273 268·9 47·4
34 33·5 05·9	94 92.6 16.3	154 151·7 26·7	214 210·7 37·2	274 269·8 47·6
35 34·5 06·1	95 93.6 16.5	155 152·6 26·9	215 211·7 37·3	275 270·8 47·8
36 35.5 06.3	96 94.5 16.7	156 153.6 27.1	216 212·7 37·5	276 271.8 47.9
37 36.4 06.4	97 95.5 16.8	157 154.6 27.3	217 213·7 37·7	277 272.8 48.1
38 37.4 06.6	98 96.5 17.0	158 155.6 27.4	218 214·7 37·9	278 273.8 48.3
39 38.4 06.8	99 97.5 17.2	159 156.6 27.6	219 215·7 38·0	279 274.8 48.4
40 39.4 06.9	100 98.5 17.4	160 157.6 27.8	220 216·7 38·2	280 275.7 48.6
41 40.4 07.1	101 99.5 17.5	161 158.6 28.0	221 217·6 38·4	281 276·7 48·8
42 41.4 07.3	102 100.5 17.7	162 159.5 28.1	222 218·6 38·5	282 277·7 49·0
43 42.3 07.5	103 101.4 17.9	163 160.5 28.3	223 219·6 38·7	283 278·7 49·1
44 43.3 07.6	104 102.4 18.1	164 161.5 28.5	224 220·6 38·9	284 279·7 49·3
45 44.3 07.8	105 103.4 18.2	165 162.5 28.7	225 221·6 39·1	285 280·7 49·5
46 45·3 08·0	106 104·4 18·4	166 163·5 28·8	226 222·6 39·2	286 281·7 49·7
47 46·3 08·2	107 105·4 18·6	167 164·5 29·0	227 223·6 39·4	287 282·6 49·8
48 47·3 08·3	108 106·4 18·8	168 165·4 29·2	228 224·5 39·6	288 283·6 50·0
49 48·3 08·5	109 107·3 18·9	169 166·4 29·3	229 225·5 39·8	289 284·6 50·2
50 49·2 08·7	110 108·3 19·1	170 167·4 29·5	230 226·5 39·9	290 285·6 50·4
51 50·2 08·9	111 109·3 19·3	171 168:4 29:7	231 227·5 40·1	291 286·6 50·5
52 51·2 09·0	112 110·3 19·4	172 169:4 29:9	232 222·5 40·3	292 287·6 50·7
53 52·2 09·2	113 111·3 19·6	173 170:4 30:0	233 229·5 40·5	293 288·5 50·9
54 53·2 09·4	114 112·3 19·8	174 171:4 30:2	234 230·4 40·6	294 289·5 51·1
55 54·2 09·6	115 113·3 20·0	175 172:3 30:4	235 231·4 40·8	295 290·5 51·2
56 55·1 09·7	116 114-2 20-1	176 173·3 30·6	236 232·4 41·0	296 291·5 51·4
57 56·1 09·9	117 115-2 20-3	177 174·3 30·7	237 233·4 41·2	297 292·5 51·6
58 57·1 10·1	118 116-2 20-5	178 175·3 30·9	238 234·4 41·3	298 293·5 51·7
59 58·1 10·2	119 117-2 20-7	179 176·3 31·1	239 235·4 41·5	299 294·5 51·9
60 59·1 10·4	120 118-2 20-8	180 177·3 31·3	240 236·4 41·7	300 295·4 52·1
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				POF II.
Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01.0 00.2	61 59.9 11.6	121 118.8 23.1	181 177.7 34.5	241 236.6 46.0
2 02.0 00.4 3 02.9 00.6	62 60·9 11·8 63 61·8 12·0	122 119·8 23·3 123 120·7 23·5	182 178·7 34·7 183 179·6 34·9	242 237·6 46·2 243 238·5 46·4
4 03.9 00.8	64 62.8 12.2	124 121.7 23.7	184 180.6 35.1	244 239.5 46.6
5 04·9 01·0 6 05·9 01·1	65 63.8 12.4	125 122·7 23·9 126 123·7 24·0	185 181·6 35·3 186 182·6 35·5	245 240·5 46·7 246 241·5 46·9
7 06.9 01.3	67 65.8 12.8	127 124.7 24.2	187 183.6 35.7	247 242.5 47.1
8 07·9 01·5 9 08·8 01·7	68 66.8 13.0	128 125·6 24·4 129 126·6 24·6	188 184·5 35·9 189 185·5 36·1	248 243·4 47·3 249 244·4 47·5
10 09.8 01.9	70 68.7 13.4	130 127.6 24.8	190 186.5 36.3	250 245.4 47.7
11 10.8 02.1	71 69.7 13.5	131 128·6 25·0 132 129·6 25·2	191 187.5 36.4	251 246·4 47·9 252 247·4 48·1
12 11·8 02·3 13 12·8 02·5	72 70·7 13·7 73 71·7 13·9	132 129.6 25.2 133 130.6 25.4	192 188·5 36·6 193 189·5 36·8	252 247·4 48·1 253 248·4 48·3
14 13·7 02·7 15 14·7 02·9	74 72·6 14·1 75 73·6 14·3	134 131·5 25·6 135 132·5 25·8	194 190·4 37·0 195 191·4 37·2	254 249·3 48·5 255 250·3 48·7
16 15.7 03.1	76 74.6 14.5	136 133.5 26.0	196 192.4 37.4	256 251.3 48.8
17 16.7 03.2	77 75.6 14.7	137 134·5 26·1 138 135·5 26·3	197 193.4 37.6	257 252·3 49·0 258 253·3 49·2
18 17·7 03·4 19 18·7 03·6	78 76·6 14·9 79 77·5 15·1	138 135·5 26·3 139 136·4 26·5	198 194·4 37·8 199 195·3 38·0	259 254.2 49.4
20 19.6 03.8	80 78.5 15.3	140 137.4 26.7	200 196.3 38.2	260 255.2 49.6
21 20·6 04·0 22 21·6 04·2	81 79·5 15·5 82 80·5 15·6	141 138·4 26·9 142 139·4 27·1	201 197·3 38·4 202 198·3 38·5	261 256·2 49·8 262 257·2 50·0
23 22.6 04.4	83 81.5 15.8	143 140.4 27.3	203 199.3 38.7	263 258.2 50.2
24 23.6 04.6 25 24.5 04.8	84 82·5 16·0 85 83·4 16·2	144 141·4 27·5 145 142·3 27·7	204 200·3 38·9 205 201·2 39·1	264 259·1 50·4 265 260·1 50·6
26 25.5 05.0	86 84.4 16.4	146 143.3 27.9	206 202.2 39.3	266 261.1 50.8
27 26·5 05·2 28 27·5 05·3	87 85·4 16·6 88 86·4 16·8	147 144·3 28·0 148 145·3 28·2	207 203·2 39·5 208 204·2 39·7	267 262·1 50·9 268 263·1 51·1
29 28.5 05.5	89 87.4 17.0	149 146.3 28.4	209 205.2 39.9	269 264.1 51.3
30 29.4 05.7	90 88.3 17.2 91 89.3 17.4	150 147·2 28·6 151 148·2 28·8	210 206.1 40.1 211 207.1 40.3	270 265·0 51·5 271 266·0 51·7
32 31.4 06.1	92 90.3 17.6	152 149.2 29.0	212 208.1 40.5	272 267.0 51.9
33 32·4 06·3 34 33·4 06·5	93 91·3 17·7 94 92·3 17·9	153 150·2 29·2 154 151·2 29·4	213 209·1 40·6 214 210·1 40·8	273 268·0 52·1 274 269·0 52·3
35 34.4 06.7	95 93.3 18.1	155 152.2 29.6	215 211.0 41.0	275 269.9 52.5
36 35·3 06·9 37 36·3 07·1	96 94·2 18·3 97 95·2 18·5	156 153·1 29·8 157 154·1 30·0	216 212·0 41·2 217 213·0 41·4	276 270·9 52·7 277 271·9 52·9
38 37.3 07.3	98 96.2 18.7	158 155.1 30.1	218 214.0 41.6	278 272.9 53.0
39 38·3 07·4 40 39·3 07·6	99 97·2 18·9 100 98·2 19·1	159 156·1 30·3 160 157·1 30·5	219 215·0 41·8 220 216·0 42·0	279 273·9 53·2 280 274·9 53·4
41 40.2 07.8	101 99.1 19.3	161 158.0 30.7	221 216.9 42.2	281 275.8 53.6
42 41·2 08·0 43 42·2 08·2	102 100·1 19·5 103 101·1 19·7	162 159·0 30·9 163 160·0 31·1	222 217·9 42·4 223 218·9 42·6	282 276·8 53·8 283 277·8 54·0
44 43.2 08.4	104 102.1 19.8	164 161.0 31.3	224 219.9 42.7	284 278.8 54.2
45 44.2 08.6	105 103:1 20:0	165 162.0 31.5	225 220.9 42.9	285 279·8 54·4 286 280·7 54·6
46 45·2 08·8 47 46·1 09·0	106 104·1 20·2 107 105·0 20·4	166 163·0 31·7 167 163·9 31·9	226 221·8 43·1 227 222·8 43·3	287 281.7 54.8
48 47·1 09·2 49 48·1 09·3	108 106·0 20·6 109 107·0 20·8	168 164·9 32·1 169 165·9 32·2	228 223·8 43·5 229 224·S 43·7	288 282·7 55·0 289 283·7 55·1
50 49.1 09.5	110 108.0 21.0	170 166.9 32.4	230 225.8 43.9	290 284.7 55.3
51 50·1 09·7 52 51·0 09·9	111 109·0 21·2 112 109·9 21·4	171 167·9 32·6 172 168·8 32·8	231 226·8 44·1 232 227·7 44·3	291 285·7 55·5 292 286·6 55·7
53 52.0 10.1	113 110.9 21.6	173 169.8 33.0	233 228.7 44.5	293 287.6 55.9
54 53·0 10·3 55 54·0 10·5	114 111·9 21·8 115 112·9 21·9	174 170·8 33·2 175 171·8 33·4	234 229·7 44·6 235 230·7 44·8	294 288·6 56·1 295 289·6 56·3
56 55.0 10.7	116 113-9 22-1	176 172.8 33.6	236 231.7 45.0	296 290.6 56.5
57 56·0 10·9 58 56·9 11·1	117 114·9 22·3 118 115·8 22·5	177 173·7 33·8 178 174·7 34·0	237 232·6 45·2 238 233·6 45·4	297 291·5 56·7 298 292·5 56·9
59 57.9 11.3	119 116.8 22.7	179 175.7 34.2	239 234.6 45.6	299 293.5 57.1
60 58.9 11.4	120 117.8 22.9	180 176.7 34.3	240 235.6 45.8	300 294.5 57.2
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1 01.0 00.2	61 59.7 12.7	121 118·4 25·2	181 177.0 37.6	241 235.7 50.1
2 02.0 00.4	62 60.6 12.9	122 119·3 25·4	182 178.0 37.8	242 236.7 50.3
3 02.9 00.6	63 61.6 13.1	123 120·3 25·6	183 179.0 38.0	243 237.7 50.5
4 03.9 00.8	64 62.6 13.3	124 121·3 25·8	184 180.0 38.3	244 238.7 50.7
5 04.9 01.0	65 63.6 13.5	125 122·3 26·0	185 181.0 38.5	245 239.6 50.9
6 05·9 01·2	66 64·6 13·7	126 123·2 26·2	186 181.9 38.7	246 240.6 51.1
7 06·8 01·5	67 65·5 13·9	127 124·2 26·4	187 182.9 38.9	247 241.6 51.4
8 07·8 01·7	68 66·5 14·1	128 125·2 26·6	188 183.9 30.1	248 242.6 51.6
9 08·8 01·9	69 67·5 14·3	129 126·2 26·8	189 184.9 39.3	249 243.6 51.8
10 09·8 02·1	70 68·5 14·6	130 127·2 27·0	190 185.8 39.5	250 244.5 52.0
11 10·8 02·3	71 69.4 14.8	131 128·1 27·2	191 186·8 39·7	251 245·5 52·2
12 11·7 02·5	72 70.4 15.0	132 129·1 27·4	192 187·8 39·9	252 246·5 52·4
13 12·7 02·7	73 71.4 15.2	133 130·1 27·7	193 188·8 40·1	253 247·5 52·6
14 13·7 02·9	74 72.4 15.4	134 131·1 27·9	194 189·8 40·3	254 248·4 52·8
15 14·7 03·1	75 73.4 15.6	135 132·0 28·1	195 190·7 40·5	255 249·4 53·0
16 15·7 08·3	76 74·3 15·8	136 133·0 28·3	196 191.7 40.8	256 250.4 53.2
17 16·6 03·5	77 75·3 16·0	137 134·0 28·5	197 192.7 41.0	257 251.4 53.4
18 17·6 03·7	78 76·3 16·2	138 135·0 28·7	198 193.7 41.2	258 252.4 53.6
19 18·6 04·0	79 77·3 16·4	139 136·0 28·9	199 194.7 41.4	259 253.3 53.8
20 19·6 04·2	80 78·3 16·6	140 136·9 29·1	200 195.6 41.6	260 254.3 54.1
21 20·5 04·4	81 79.2 16.8	141 1379 29·3	201 196·6 41·8	261 255·3 54·3
22 21·5 04·6	82 80.2 17.0	142 138·9 29·5	202 197·6 42·0	262 256·3 54·5
23 22·5 04·8	83 81.2 17.3	143 139·9 29·7	203 198·6 42·2	263 257·3 54·7
24 23·5 05·0	84 82.2 17.5	144 140·9 29·9	204 199·5 42·4	264 258·2 54·9
25 24·5 05·2	85 83.1 17.7	145 141·8 30·1	205 200·5 42·6	265 259·2 55·1
26 25.4 05.4	86 84·1 17·9	146 142·8 30·4	206 201·5 42·8	266 260·2 55·3
27 26.4 05.6	87 85·1 18·1	147 143·8 30·6	207 202·5 43·0	267 261·2 55·5
28 27.4 05.8	88 86·1 18·3	148 144·8 30·8	208 203·5 43·2	268 262·1 55·7
29 28.4 06.0	89 87·1 18·5	149 145·7 31·0	209 204·4 43·5	269 263·1 55·9
30 29.3 06.2	90 88·0 18·7	150 146·7 31·2	210 205·4 43·7	270 264·1 56·1
31 30·3 06·4	91 89.0 18.9	151 147·7 31·4	211 206·4 43·9	271 265·1 56·3
32 31·3 06·7	92 90.0 19.1	152 148·7 31·6	212 207·4 44·1	272 266·1 56·6
33 32·3 06·9	93 91.0 19.3	153 149·7 31·8	213 208·3 44·3	273 267·0 56·8
34 33·3 07·1	94 91.9 19.5	154 150·6 32·0	214 209·3 44·5	274 268·0 57·0
35 34·2 07·3	95 92.9 19.8	155 151·6 32·2	215 210·3 44·7	275 269·0 57·2
36 35·2 07·5	96 93 9 20 0	156 152.6 32.4	216 211·3 44·9	276 270·0 57·4
37 36·2 07·7	97 94 9 20 2	157 153.6 32.6	217 212·3 45·1	277 270·9 57·6
38 37·2 07·9	98 95 9 20 4	158 154.5 32.9	218 213·2 45·3	278 271·9 57·8
39 38·1 08·1	99 96 8 20 6	159 155.5 33.1	219 214·2 45·5	279 272·9 58·0
40 39·1 08·3	100 97 8 20 8	160 156.5 33.3	220 215·2 45·7	280 273·9 58·2
41 40·1 08·5	101 98*8 21*0	161 157·5 33·5	221 216·2 45·9	281 274 9 58 4
42 41·1 08·7	102 99*8 21*2	162 158·5 33·7	222 217·1 46·2	282 275 8 58 6
43 42·1 08·9	103 100*7 21*4	163 159·4 33·9	223 218·1 46·4	283 276 8 58 8
44 43·0 09·1	104 101*7 21*6	164 160·4 34·1	224 219·1 46·6	284 277 8 59 0
45 44·0 09·4	105 102*7 21*8	165 161·4 34·3	225 220·1 46·8	285 278 8 59 3
46 45·0 09·6	106 103·7 22·0	166 162·4 34·5	226 221·1 47·0	286 279·8 59·5
47 46·0 09·8	107 104·7 22·2	167 163·4 34·7	227 222·0 47·2	287 280·7 59·7
48 47·0 10·0	108 105·6 22·5	168 164·3 34·9	228 223·0 47·4	288 281·7 59·9
49 47·9 10·2	109 106·6 22·7	169 165·3 35·1	229 224·0 47·6	289 282·7 60·1
50 48·9 10·4	110 107·6 22·9	170 166·3 35·3	230 225·0 47·8	290 283·7 60·3
51 49.9 10.6	111 108.6 23.1	171 167·3 35·6	231 226·0 48·0	291 284·6 60·5
52 50.9 10.8	112 109.6 23.3	172 168·2 35·8	232 226·9 48·2	292 285·6 60·7
53 51.8 11.0	113 110.5 23.5	173 169·2 36·0	233 227·9 48·4	293 286·6 60·9
54 52.8 11.2	114 111.5 23.7	174 170·2 36·2	234 228·9 48·7	294 287·6 61·1
55 53.8 11.4	115 112.5 23.9	175 171·2 36·4	235 229·9 48·9	295 288·6 61·3
56 54.8 11.6	116 113·5 24·1	176 172·2 36·6	236 230·8 49·1	296 289·5 61·5
57 55.8 11.9	117 114·4 24·3	177 173·1 36·8	237 231·8 49·3	297 290·5 61·7
58 56.7 12.1	118 115·4 24·5	178 174·1 37·0	238 232·8 49·5	298 291·5 62·0
59 57.7 12.3	119 116·4 24·7	179 175·1 37·2	239 233·8 49·7	299 292·5 62·2
60 58.7 12.5	120 117·4 24·9	180 176·1 37·4	240 234·8 49·9	300 293·4 62·4
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				FOF 15.
Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01·0 00·2	61 59'4 13'7	121 117·9 27·2	181 176'4 40'7	241 234·8 54·2
2 01·9 00·4	62 60'4 13'9	122 118·9 27·4	182 177'3 40'9	242 235·8 54·4
3 02·9 00·7	63 61'4 14'2	123 119·8 27·7	183 178'3 41'2	243 236·8 54·7
4 03·9 00·9	64 62'4 14'4	124 120·8 27·9	184 179'3 41'4	244 237·7 54·9
5 04·9 01·1	65 63'3 14'6	125 121·8 28·1	185 180'3 41'6	245 238·7 55·1
6 05·8 01·3	66 64.3 14.8	126 122·8 28·3	186 181·2 41·8	246 239.7 55.3
7 06·8 01·6	67 65.3 15.1	127 123·7 28·6	187 182·2 42·1	247 240.7 55.6
8 07·8 01·8	68 66.3 15.3	128 124·7 28·8	188 183·2 42·3	248 241.6 55.8
9 08·8 02·0	69 67.2 15.5	129 125·7 29·0	189 184·2 42·5	249 242.6 56.0
10 09·7 02·2	70 68.2 15.7	130 126·7 29·2	190 185·1 42·7	250 243.6 56.2
11 10·7 02·5	71 69·2 16·0	131 127.6 29.5	191 186·1 43·0	251 244.6 56.5
12 11·7 02·7	72 70·2 16·2	132 128.6 29.7	192 187·1 43·2	252 245.5 56.7
13 12·7 02·9	73 71·1 16·4	133 129.6 29.9	193 188·1 43·4	253 246.5 56.9
14 13·6 03·1	74 72·1 16·6	134 130.6 30.1	194 189·0 43·6	254 247.5 57.1
15 14·6 03·4	75 73·1 16·9	135 131.5 30.4	195 190·0 43·9	255 248.5 57.4
16 15.6 03.6	76 74·1 17·1	136 132·5 30·6	196 191.0 44.1	256 249.4 57.6
17 16.6 03.8	77 75·0 17·3	137 133·5 30·8	197 192.0 44.3	257 250.4 57.8
18 17.5 04.0	78 76·0 17·5	138 134·5 31·0	198 192.9 44.5	258 251.4 58.0
19 18.5 04.3	79 77·0 17·8	139 135·4 31·3	199 193.9 44.8	259 252.4 58.3
20 19.5 04.5	80 77·9 18·0	140 136·4 31·5	200 194.9 45.0	260 253.3 58.5
21 20·5 04·7	81 78.9 18.2	141 137·4 31·7	201 195·8 45·2	261 254·3 58·7
22 21·4 04·9	82 79.9 18.4	142 138·4 31·9	202 196·8 45·4	262 255·3 58·9
23 22·4 05·2	83 80.9 18.7	143 139·3 32·2	203 197·8 45·7	263 256·3 59·2
24 23·4 05·4	84 81.8 18.9	144 140·3 32·4	204 198·8 45·9	264 257·2 59·4
25 24·4 05·6	85 82.8 19.1	145 141·3 32·6	205 199·7 46·1	265 258·2 59·6
26 25·3 05·8	86 83·8 19·3	146 142·3 32·8	206 200·7 46·3	266 259·2 59·8
27 26·3 06·1	87 84·8 19·6	147 143·2 33·1	207 201·7 46·6	267 260·2 60·1
28 27·3 06·3	88 85·7 19·8	148 144·2 33·3	208 202·7 46·8	268 261·1 60·3
29 28·3 06·5	89 86·7 20·0	149 145·2 33·5	209 203·6 47·0	269 262·1 60·5
30 29·2 06·7	90 87·7 20·2	150 146·2 33·7	210 204·6 47·2	270 263·1 60·7
31 30·2 07·0	91 88·7 20·5	151 147·1 34·0	211 205 6 47 5	271 264·1 61·0
32 31·2 07·2	92 89·6 20·7	152 148·1 34·2	212 206 6 47 7	272 265·0 61·2
33 32·2 07·4	93 90·6 20·9	153 149·1 34·4	213 207 5 47 9	273 266·0 61·4
34 33·1 07·6	94 91·6 21·1	154 150·1 34·6	214 208 5 48 1	274 267·0 61·6
35 34·1 07·9	95 92·6 21·4	155 151·0 34·9	215 209 5 48 4	275 268·0 61·9
36 35·1 08·1	96 93·5 21·6	156 152.0 35.1	216 210·5 48·6	276 268.9 62.1
37 36·1 08·3	97 94·5 21·8	157 153.0 35.3	217 211·4 48·8	277 269.9 62.3
38 37·0 08·5	98 95·5 22·0	158 154.0 35.5	218 212·4 49·0	278 270.9 62.5
39 38·0 08·8	99 96·5 22·3	159 154.9 35.8	219 213·4 49·3	279 271.8 62.8
40 39·0 09·0	100 97·4 22·5	160 155.9 36.0	220 214·4 49·5	280 272.8 63.0
41 39.9 09.2	101 98.4 22.7	161 156.9 36.2	221 215·3 49·7	281 273°8 63°2
42 40.9 09.4	102 99.4 22.9	162 157.8 36.4	222 216·3 49·9	282 274°8 63°4
43 41.9 09.7	103 100.4 23.2	163 158.8 36.7	223 217·3 50·2	283 275°7 63°7
44 42.9 09.9	104 101.3 23.4	164 159.8 36.9	224 218·3 50·4	284 276°7 63°9
45 43.8 10.1	105 102.3 23.6	165 160.8 37.1	225 219·2 50·6	285 277°7 64°1
46 44.8 10.3	106     103·3     23·8       107     104·3     24·1       108     105·2     24·3       109     106·2     24·5       110     107·2     24·7	166 161·7 37·3	226 220·2 50·8	286 278.7 64.3
47 45.8 10.6		167 162·7 37·6	227 221·2 51·1	287 279.6 64.6
48 46.8 10.8		168 163·7 37·8	228 222·2 51·3	288 280.6 64.8
49 47.7 11.0		169 164·7 38·0	229 223·1 51·5	289 281.6 65.0
50 48.7 11.2		170 165·6 38·2	230 224·1 51·7	290 282.6 65.2
51 49.7 11.5	111 108·2 25·0	171 166 6 38 5	231 225·1 52·0	291 283·5 65·5
52 50.7 11.7	112 109·1 25·2	172 167 6 38 7	232 226·1 52·2	292 284·5 65·7
53 51.6 11.9	113 110·1 25·4	173 168 6 38 9	233 227·0 52·4	293 285·5 65·9
54 52.6 12.1	114 111·1 25·6	174 169 5 39 1	234 228·0 52·6	294 286·5 66·1
55 53.6 12.4	115 112·1 25·9	175 170 5 39 4	235 229·0 52·9	295 287·4 66·4
56 54.6 12.6	116 113.0 26.1	176 171.5 39.6	236 230·0 53·1	296 288.4 66.6
57 55.5 12.8	117 114.0 26.3	177 172.5 39.8	237 230·9 53·3	297 289.4 66.8
58 56.5 13.0	118 115.0 26.5	178 173.4 40.0	238 231·9 53·5	298 290.4 67.0
59 57.5 13.3	119 116.0 26.8	179 174.4 40.3	239 232·9 53·8	299 291.3 67.3
60 58.5 13.5	120 116.9 27.0	180 175.4 40.5	240 233·8 54·0	300 292.3 67.5
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				FOR 19.
Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01.0 00.2	61 59·2 14·8	121 117.4 29.8	181 175·6 43·8	241 233·8 58·3
2 01.9 00.5	62 60·2 15·0	122 118.4 29.5	182 176·6 44·0	242 234·8 58·5
3 02.9 00.7	63 61·1 15·2	123 119.3 29.8	183 177·6 44·3	243 235·8 58·8
4 03.9 01.0	64 62·1 15·5	124 120.3 30.0	184 178·5 44·5	244 236·8 59·0
5 04.9 01.2	65 63·1 15·7	125 121.3 30.2	185 179·5 44·8	245 237·7 59·3
6 05·8 01·5	66 64·0 16·0	126 122·3 30·5	186 180·5 45·0	246 238*7 59*5
7 06·8 01·7	67 65·0 16·2	127 123·2 30·7	187 181·4 45·2	247 239*7 59*8
8 07·8 01·9	68 66·0 16·5	128 124·2 31·0	188 182·4 45·5	248 240*6 60*0
9 08·7 02·2	69 67·0 16·7	129 125·2 31·2	189 183·4 45·7	249 241*6 60*2
10 09·7 02·4	70 67·9 16·9	130 126·1 31·4	190 184·4 46·0	250 242*6 60*5
11 10·7 02·7	71 68:9 17:2	131 127·1 31·7	191 185·3 46·2	251 243·5 60·7
12 11·6 02·9	72 69:9 17:4	132 128·1 31·9	192 186·3 46·4	252 244·5 61·0
13 12·6 03·1	73 70:8 17:7	133 129·0 32·2	193 187·3 46·7	253 245·5 61·2
14 13·6 03·4	74 71:8 17:9	134 130·0 32·4	194 188·2 46·9	254 246·5 61·4
15 14·6 03·6	75 72:8 18:1	135 131·0 32·7	195 189·2 47·2	255 247·4 61·7
16 15·5 03·9	76 73·7 18·4	136 132·0 32·9	196 190·2 47·4	256 248·4 61·9
17 16·5 04·1	77 74·7 18·6	137 132·9 33·1	197 191·1 47·7	257 249·4 62·2
18 17·5 04·4	78 75·7 18·9	138 133·9 33·4	198 192·1 47·9	258 250·3 62·4
19 18·4 04·6	79 76·7 19·1	139 134·9 33·6	199 193·1 48·1	259 251·3 62·7
20 19·4 04·8	80 77·6 19·4	140 135·8 33·9	200 194·1 48·4	260 252·3 62·9
21 20·4 05·1	81 78.6 19.6	141 136.8 34.1	201 195·0 48·6	261 253°2 63°1
22 21·3 05·3	82 79.6 19.8	142 137.8 34.4	202 196·0 48·9	262 254°2 63°4
23 22·3 05·6	83 80.5 20.1	143 138.8 34.6	203 197·0 49·1	263 255°2 63°6
24 23·3 05·8	84 81.5 20.3	144 139.7 34.8	204 197·9 49·4	264 256°2 63°9
25 24·3 06·0	85 82.5 20.6	145 140.7 35.1	205 198·9 49·6	265 257°1 64°1
26 25·2 06·3	86 83.4 20.8	146 141.7 35.3	206 199·9 49·8	266 258·1 64·4
27 26·2 06·5	87 84.4 21.0	147 142.6 35.6	207 200·9 50·1	267 259·1 64·6
28 27·2 06·8	88 85.4 21.3	148 143.6 35.8	208 201·8 50·3	268 260·0 64·8
29 28·1 07·0	89 86.4 21.5	149 144.6 36.0	209 202·8 50·6	269 261·0 65·1
30 29·1 07·3	90 87.3 21.8	150 145.5 36.3	210 203·8 50·8	270 262·0 65·3
31 30·1 07·5	91 88·3 22·0	151 146.5 36.5	211 204·7 51·0	271 263·0 65·6
32 31·0 07·7	92 89·3 22·3	152 147.5 36.8	212 205·7 51·3	272 263·9 65·8
33 32·0 08·0	93 90·2 22·5	153 148.5 37.0	213 206·7 51·5	273 264·9 66·0
34 33·0 08·2	94 91·2 22·7	154 149.4 37.3	214 207·6 51·8	274 265·9 66·3
35 34·0 08·5	95 92·2 23·0	155 150.4 37.5	215 208·6 52·0	275 266·8 66·5
36 34.9 08.7	96 93·1 23·2	156 151·4 37·7	216 209.6 52.3	276 267·8 66·8
37 35.9 09.0	97 94·1 23·5	157 152·3 38·0	217 210.6 52.5	277 268·8 67·0
38 36.9 09.2	98 95·1 23·7	158 153·3 38·2	218 211.5 52.7	278 269·7 67·3
39 37.8 09.4	99 96·1 24·0	159 154·3 38·5	219 212.5 53.0	279 270·7 67·5
40 38.8 09.7	100 97·0 24·2	160 155·2 38·7	220 213.5 53.2	280 271·7 67·7
41 39·8 09·9	101 98.0 24.4	161 156·2 38·9	221 214·4 53·5	281 272·7 68·0
42 40·8 10·2	102 99.0 24.7	162 157·2 39·2	222 215·4 53·7	282 273·6 68·2
43 41·7 10·4	103 99.9 24.9	163 158·2 39·4	223 216·4 53·9	283 274·6 68·5
44 42·7 10·6	104 100.9 25.2	164 159·1 39·7	224 217·3 54·2	284 275·6 68·7
45 43·7 10·9	105 101.9 25.4	165 160·1 39·9	225 218·3 54·4	285 276·5 68·9
46 44.6 11.1	106 102:9 25:6	166 161·1 40·2	226 219·3 54·7	286 277·5 69·2
47 45.6 11.4	107 103:8 25:9	167 162·0 40·4	227 220·3 54·9	287 278·5 69·4
48 46.6 11.6	108 104:8 26:1	168 163·0 40·6	228 221·2 55·2	288 279·4 69·7
49 47.5 11.9	109 105:8 26:4	169 164·0 40·9	229 222·2 55·4	289 280·4 69·9
50 48.5 12.1	110 106:7 26:6	170 165·0 41·1	230 223·2 55·6	290 281·4 70·2
51 49·5 12·3	111 107·7 26·9	171 165 9 41 4	231 224·1 55·9	291 282.4 70.4
52 50·5 12·6	112 108·7 27·1	172 166 9 41 6	232 225·1 56·1	292 283.3 70.6
53 51·4 12·8	113 109·6 27·3	173 167 9 41 9	233 226·1 56·4	293 284.3 70.9
54 52·4 13·1	114 110·6 27·6	174 168 8 42 1	234 227·0 56·6	294 285.3 71.1
55 53·4 13·3	115 111·6 27·8	175 169 8 42 3	235 228·0 56·9	295 286.2 71.4
56 54·3 13·5	116 112·6 28·1	176 170·8 42·6	236 229·0 57·1	296 287·2 71·6
57 55·3 13·8	117 113·5 28·3	177 171·7 42·8	237 230·0 57·3	297 288·2 71·9
58 56·3 14·0	118 114·5 28·6	178 172·7 43·1	238 230·9 57·6	298 289·1 72·1
59 57·2 14·3	119 115·5 28·8	179 173·7 43·3	239 231·9 57·8	299 290·1 72·3
60 58·2 14·5	120 116·4 29·0	180 174·7 43·5	240 232·9 58·1	300 291·1 72·6
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3 4	01.0 01.9 02.9 03.9 04.8	00·3 00·5 00·8 01·0 01·3	61 62 63 64 65	58.9 59.9 60.9 61.8 62.8	15·8 16·0 16·3 16·6 16·8	121 122 123 124 125	116·9 117·8 118·8 119·8 120·7	31·3 31·6 31·8 32·1 32·4	181 182 183 184 185	174·8 175·8 176·8 177·7 178·7	46·8 47·1 47·4 47·6 47·9	241 242 243 244 245	232·8 233·8 234·7 235·7 236·7	62·4 62·6 62·9 63·2 63·4
8 9	05·8 06·8 07·7 08·7 09·7	01.6 01.8 02.1 02.3 02.6	66 67 68 69 70	63·8 64·7 65·7 66·6 67·6	17·1 17·3 17·6 17·9 18·1	126 127 128 129 130	121.7 122.7 123.6 124.6 125.6	32·6 32·9 33·1 33·4 33·6	186 187 188 189 190	179.7 180.6 181.6 182.6 183.5	48·1 48·4 48·7 48·9 49·2	246 247 248 249 250	237.6 238.6 239.5 240.5 241.5	63.7 63.9 64.2 64.4 64.7
12 13 14	10.6 11.6 12.6 13.5 14.5	02·8 03·1 03·4 03·6 03·9	71 72 73 74 75	68.6 69.5 70.5 71.5 72.4	18.4 18.6 18.9 19.2 19.4	131 132 133 134 135	126.5 127.5 128.5 129.4 130.4	33.9 34.2 34.4 34.7 34.9	191 192 193 194 195	184.5 185.5 186.4 187.4 188.4	49·4 49·7 50·0 50·2 50·5	251 252 253 254 255	242·4 243·4 244·4 245·3 246·3	65·0 65·2 65·5 65·7 66·0
17 18 19	15·5 16·4 17·4 18·4 19·3	04·1 04·4 04·7 04·9 05·2	76 77 78 79 80	73·4 74·4 75·3 76·3 77·3	19·7 19·9 20·2 20·4 20·7	136 137 138 139 140	131·4 132·3 133·3 134·3 135·2	35·2 35·5 35·7 36·0 36·2	196 197 198 199 200	189·3 190·3 191·3 192·2 193·2	50·7 51·0 51·2 51·5 51·8	256 257 258 259 260	247·3 248·2 249·2 250·2 251·1	66·3 66·5 66·8 67·0 67·3
22 23 24	20·3 21·3 22·2 23·2 24·1	05·4 05·7 06·0 06·2 06·5	81 82 83 84 85	78·2 79·2 80·2 81·1 82·1	21·0 21·2 21·5 21·7 22·0	141 142 143 144 145	136·2 137·2 138·1 139·1 140·1	36.5 36.8 37.0 37.3 37.5	201 202 203 204 205	194·2 195·1 196·1 197·0 198·0	52·0 52·3 52·5 52·8 53·1	261 262 263 264 265	252·1 253·1 254·0 255·0 256·0	67.6 67.8 68.1 68.3 68.6
27 28 29	25·1 26·1 27·0 28·0 29·0	06·7 07·0 07·2 07·5 07·8	86 87 88 89 90	83·1 84·0 85·0 86·0 86·9	22·3 22·5 22·8 23·0 23·3	146 147 148 149 150	141.0 142.0 143.0 143.9 144.9	37·8 38·0 38·3 38·6 38·8	206 207 208 209 210	199.0 199.9 200.9 201.9 202.8	53·3 53·6 53·8 54·1 54·4	266 267 268 269 270	256.9 257.9 258.9 259.8 260.8	68:8 69:1 69:4 69:6 69:9
32 33 34	29·9 30·9 31·9 32·8 33·8	08·0 08·5 08·8 09·1	91 92 93 94 95	87.9 88.9 89.8 90.8 91.8	23.6 23.8 24.1 24.3 24.6	151 152 153 154 155	145.9 146.8 147.8 148.8 149.7	39·1 39·3 39·6 39·9 40·1	211 212 213 214 215	203·8 204·8 205·7 206·7 207·7	54.6 54.9 55.1 55.4 55.6	271 272 273 274 275	261 ·8 262 ·7 263 ·7 264 ·7 265 ·6	70·1 70·4 70·7 70·9 71·2
37 38 39	34·8 35·7 36·7 37·7 38·6	09·3 09·6 09·8 10·1 10·4	96 97 98 99 100	92·7 93·7 94·7 95·6 96·6	24·8 25·1 25·4 25·6 25·9	156 157 158 159 160	150.7 151.7 152.6 153.6 154.5	40.4 40.6 40.9 41.2 41.4	216 217 218 219 220	208.6 209.6 210.6 211.5 212.5	55.9 56.2 56.4 56.7 56.9	276 277 278 279 280	266.6 267.6 268.5 269.5 270.5	71·4 71·7 72·0 72·2 72·5
42 43 44	39.6 40.6 41.5 42.5 43.5	10.6 10.9 11.1 11.4 11.6	101 102 103 104 105	97.6 98.5 99.5 100.5 101.4	26·1 26·4 26·7 26·9 27·2	161 162 163 164 165	155·5 156·5 157·4 158·4 159·4	41.7 41.9 42.2 42.4 42.7	221 222 223 224 225	213·5 214·4 215·4 216·4 217·3	57·2 57·5 57·7 58·0 58·2	281 282 283 284 285	271·4 272·4 273·4 274·3 275·3	72.7 73.0 73.2 73.5 73.8
47 48 49	44·4 45·4 46·4 47·3 48·3	11.9 12.2 12.4 12.7 12.9	106 107 108 109 110	102·4 103·4 104·3 105·3 106·3	27·4 27·7 28·0 28·2 28·5	166 167 168 169 170	160·3 161·3 162·3 163·2 164·2	43.0 43.2 43.5 43.7 44.0	226 227 228 229 230	218·3 219·3 220·2 221·2 222·2	58·5 58·8 59·0 59·3 59·5	286 287 288 289 290	276·3 277·2 278·2 279·2 280·1	74·0 74·3 74·5 74·8 75·1
52 53 54	49·3 50·2 51·2 52·2 53·1	13·2 13·5 13·7 14·0 14·2	111 112 113 114 115	107·2 108·2 109·1 110·1 111·1	28·7 29·0 29·2 29·5 29·8	171 172 173 174 175	165·2 166·1 167·1 168·1 169·0	44·3 44·5 44·8 45·0 45·3	231 232 233 234 235	223·1 224·1 225·1 226·0 227·0	59·8 60·0 60·3 60·6 60·8	291 292 293 294 295	281·1 282·1 283·0 284·0 284·9	75·3 75·6 75·8 76·1 76·4
57 58 59	54·1 55·1 56·0 57·0 58·0	14·5 14·8 15·0 15·3 15·5	116 117 118 119 120	112·0 113·0 114·0 114·9 115·9	30·0 30·3 30·5 30·8 31·1	176 177 178 179 180	170.0 171.0 171.9 172.9 173.9	45.6 45.8 46.1 46.3 46.6	236 237 238 239 240	228·0 228·9 229·9 230·9 231·8	61·1 61·3 61·6 61·9 62·1	296 297 298 299 300	285·9 286·9 287·8 288·8 289·8	76·6 76·9 77·1 77·4 77·6
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

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Dist. Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat	Dep.	Dist.	Lat	Dep.	Dist.	Lat.	Dep.
1 01·0	00·3	61	58.6	16·8	121	116·3	33·4	181	174.0	49.9	241	231·7	66·4
2 01·9	00·6	62	59.6	17·1	122	117·3	33·6	182	174.9	50.2	242	232·6	66·7
3 02·9	00·8	63	60.6	17·4	123	118·2	33·9	183	175.9	50.4	243	233·6	67·0
4 03·8	01·1	64	61.5	17·6	124	119·2	34·2	184	176.9	50.7	244	234·5	67·3
5 04·8	01·4	65	62.5	17·9	125	120·2	34·5	185	177.8	51.0	245	235·5	67·5
6 05.8	01.7	66	63·4	18·2	126	121·1	34·7	186	178·8	51·3	246	236·5	67·8
7 06.7	01.9	67	64·4	18·5	127	122·1	35·0	187	179·8	51·5	247	237·4	68·1
8 07.7	02.2	68	65·4	18·7	128	123·0	35·3	188	180·7	51·8	248	238·4	68·4
9 08.7	02.5	69	66·3	19·0	129	124·0	35·6	189	181·7	52·1	249	239·4	68·6
10 09.6	02.8	70	67·3	19·3	130	125·0	35·8	190	182·6	52·4	250	240·3	68·9
11 10.6	03·0	71	68·2	19.6	131	125·9	36·1	191	183.6	52.6	251	241·3	69·2
12 11.5	03·3	72	69·2	19.8	132	126·9	36·4	192	184.6	52.9	252	242·2	69·5
13 12.5	03·6	73	70·2	20.1	133	127·8	36·7	193	185.5	53.2	253	243·2	69·7
14 13.5	03·9	74	71·1	20.4	134	128·8	36·9	194	186.5	53.5	254	244·2	70·0
15 14.4	04·1	75	72·1	20.7	135	129·8	37·2	195	187.4	53.7	255	245·1	70·3
16 15:4	04.4	76	73·1	20·9	136	130·7	37·5	196	188·4	54·0	256	246·1	70·6
17 16:3	04.7	77	74·0	21·2	137	131·7	37·8	197	189·4	54·3	257	247·0	70·8
18 17:3	05.0	78	75·0	21·5	138	132·7	38·0	198	190·3	54·6	258	248·0	71·1
19 18:3	05.2	79	75·9	21·8	139	133·6	38·3	199	191·3	54·9	259	249·0	71·4
20 19:2	05.5	80	76·9	22·1	140	134·6	38·6	200	192·3	55·1	260	249·9	71·7
21 20·2	05·8	81	77.9	22·3	141	135.5	38·9	201	193·2	55·4	261	250·9	71·9
22 21·1	06·1	82	78.8	22·6	142	136.5	39·1	202	194·2	55·7	262	251·9	72·2
23 22·1	06·3	83	79.8	22·9	143	137.5	39·4	203	195·1	56·0	263	252·8	72·5
24 23·1	06·6	84	80.7	23·2	144	138.4	39·7	204	196·1	56·2	264	253·8	72·8
25 24·0	06·9	85	81.7	23·4	145	139.4	40·0	205	197·1	56·5	265	254·7	73·0
26 25.0 27 26.0 28 26.9 29 27.9 30 28.8	07·2 07·4 07·7 08·0 08·3	86 87 88 89 90	82·7 83·6 84·6 85·6 86·5	23.7 24.0 24.3 24.5 24.8	146 147 148 149 150	140°3 141°3 142°3 143°2 144°2	40.2 40.5 40.8 41.1 41.3	206 207 208 209 210	198.0 199.9 200.9 201.9	56.8 57.1 57.3 57.6 57.9	266 267 268 269 270	255·7 256·7 257·6 258·6 259·5	73·3 73·6 73·9 74·1 74·4
31 29·8	08·5	91	87·5	25·1	151	145·2	41.6	211	202·8	58·2	271	260·5	74.7
32 30·8	08·8	92	88·4	25·4	152	146·1	41.9	212	203·8	58·4	272	261·5	75.0
33 31·7	09·1	93	89·4	25·6	153	147·1	42.2	213	204·7	58·7	273	262·4	75.2
34 32·7	09·4	94	90·4	25·9	154	148·0	42.4	214	205·7	59·0	274	263·4	75.5
35 33·6	09·6	95	91·3	26·2	155	149·0	42.7	215	206·7	59·3	275	264·3	75.8
36 34.6	09·9	96	92·3	26·5	156	150.0	43·0	216	207.6	59.5	276	265·3	76·1
37 35.6	10·2	97	93·2	26·7	157	150.9	43·3	217	208.6	59.8	277	266·3	76·4
38 36.5	10·5	98	94·2	27·0	158	151.9	43·6	218	209.6	60.1	278	267·2	76·6
39 37.5	10·7	99	95·2	27·3	159	152.8	43·8	219	210.5	60.4	279	268·2	76·9
40 38.5	11·0	100	96·1	27·6	160	153.8	44·1	220	211.5	60.6	280	269·2	77·2
41 39·4 42 40·4 43 41·3 44 42·3 45 43·3	11·3 11·6 11·9 12·1 12·4	101 102 103 104 105	97·1 98·0 99·0 100·9	27·8 28·1 28·4 28·7 28·9	161 162 163 164 165	154·8 155·7 156·7 157·6 158·6	44·4 44·7 44·9 45·2 45·5	221 222 223 224 225	212·4 213·4 214·4 215·3 216·3	60·9 61·2 61·5 61·7 62·0	281 282 283 284 285	270·1 271·1 272·0 273·0 274·0	77.5 77.7 78.0 78.3 78.6
46 44·2	12:7	106	101·9	29·2	166	159.6	45.8	226	217·2	62·3	286	274.9	78·8
47 45·2	13:0	107	102·9	29·5	167	160.5	46.0	227	218·2	62·6	287	275.9	79·1
48 46·1	13:2	108	103·8	29·8	168	161.5	46.3	228	219·2	62·8	288	276.8	79·4
49 47·1	13:5	109	104·8	30·0	169	162.5	46.6	229	220·1	63·1	289	277.8	79·7
50 48·1	13:8	110	105·7	30·3	170	163.4	46.9	230	221·1	63·4	290	278.8	79·9
51 49.0	14·1	111	106·7	30.6	171	164·4	47·1	231	222·1	63·7	291	279·7	80·2
52 50.0	14·3	112	107·7	30.9	172	165·3	47·4	232	223·0	63·9	292	280·7	80·5
53 50.9	14·6	113	108·6	31.1	173	166·3	47·7	233	224·0	64·2	293	281·6	80·8
54 51.9	14·9	114	109·6	31.4	174	167·3	48·0	234	224·9	64·5	294	282·6	81·0
55 52.9	15·2	115	110·5	31.7	175	168·2	48·2	235	225·9	64·8	295	283·6	81·3
56 53·8	15.4	116	111·5	32·0	176	169·2	48.5	236	226.9	65·1	296	284 · 5	81·6
57 54·8	15.7	117	112·5	32·2	177	170·1	48.8	237	227.8	65·3	297	285 · 5	81·9
58 55·8	16.0	118	113·4	32·5	178	171·1	49.1	238	228.8	65·6	298	286 · 5	82·1
59 56·7	16.3	119	114·4	32·8	179	172·1	49.3	239	229.7	65·9	299	287 · 4	82·4
60 57·7	16.5	120	115·4	33·1	180	173·0	49.6	240	230.7	66·2	300	288 · 4	82·7
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Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01·0 00·3	61 58·3 17·8	121 115·7 35·4	181 173·1 52·9	241 230·5 70·5
2 01·9 00·6	62 59·3 18·1	122 116·7 35·7	182 174·0 53·2	242 231·4 70·8
3 02·9 00·9	63 60·2 18·4	123 117·6 36·0	183 175·0 53·5	243 232·4 71·0
4 03·8 01·2	64 61·2 18·7	124 118·6 36·3	184 176·0 53·8	244 233·3 71·3
5 04·8 01·5	65 62·2 19·0	125 119·5 36·5	185 176·9 54·1	245 234·3 71·6
6 05.7 01.8	66 63·1 19·3	126 120·5 36·8	186 177.9 54.4	246 235·3 71·9
7 06.7 02.0	67 64·1 19·6	127 121·5 37·1	187 178.8 54.7	247 236·2 72·2
8 07.7 02.3	68 65·0 19·9	128 122·4 37·4	188 179.8 55.0	248 237·2 72·5
9 08.6 02.6	69 66·0 20·2	129 123·4 37·7	189 180.7 55.3	249 238·1 72·8
10 09.6 02.9	70 66·9 20·5	130 124·3 38·0	190 181.7 55.6	250 239·1 73·1
11 10·5 03·2	71 67-9 20·8	131 125·3 38·3	191 182.7 55.8	251 240·0 73·4
12 11·5 03·5	72 68·9 21·1	132 126·2 38·6	192 183.6 56.1	252 241·0 73·7
13 12·4 03·8	73 69·8 21·3	133 127·2 38·9	193 184.6 56.4	253 241·9 74·0
14 13·4 04·1	74 70·8 21·6	134 128·1 39·2	194 185.5 56.7	254 242·9 74·3
15 14·3 04·4	75 71·7 21·9	135 129·1 39·5	195 186.5 57.0	255 243·9 74·6
16 15·3 04·7	76 72·7 22·2	136 130·1 39·8	196 187.4 57.3	256 244·8 74·8
17 16·3 05·0	77 73·6 22·5	137 131·0 40·1	197 188.4 57.6	257 245·8 75·1
18 17·2 05·3	78 74·6 22·8	138 132·0 40·3	198 189.3 57.9	258 246·7 75·4
19 18·2 05·6	79 75·5 23·1	139 132·9 40·6	199 190.3 58.2	259 247·7 75·7
20 19·1 05·8	80 76·5 23·4	140 133·9 40·9	200 191.3 58.5	260 248·6 76·0
21 20·1 06·1	81 77.5 23.7	141 134·8 41·2	201 192·2 58·8	261 249.6 76.3
22 21·0 06·4	82 78.4 24.0	142 135·8 41·5	202 193·2 59·1	262 250.6 76.6
23 22·0 06·7	83 79.4 24.3	143 136·8 41·8	203 194·1 59·4	263 251.5 76.9
24 23·0 07·0	84 80.3 24.6	144 137·7 42·1	204 195·1 59·6	264 252.5 77.2
25 23·9 07·3	85 81.3 24.9	145 138·7 42·4	205 196·0 59·9	265 253.4 77.5
26 24.9 07.6	86 82.2 25.1	146 139.6 42.7	206 197·0 60·2	266 254:4 77:8
27 25.8 07.9	87 83.2 25.4	147 140.6 43.0	207 198·0 60·5	267 255:3 78:1
28 26.8 08.2	88 84.2 25.7	148 141.5 43.3	208 198·9 60·8	268 256:3 78:4
29 27.7 08.5	89 85.1 26.0	149 142.5 43.6	209 190·9 61·1	269 257:2 78:6
30 28.7 08.8	90 86.1 26.3	150 143.4 43.9	210 200·8 61·4	270 258:2 78:9
31 29°6 09°1	91 87.0 26.6	151 144.4 44.1	211 201·8 61·7	271 259·2 79·2
32 30°6 09°4	92 88.0 26.9	152 145.4 44.4	212 202·7 62·0	272 260·1 79·5
33 31°6 09°6	93 88.9 27.2	153 146.3 44.7	213 203·7 62·3	273 261·1 79·8
34 32°5 09°9	04 89.9 27.5	154 147.3 45.0	214 204·6 62·6	274 262·0 80·1
35 33°5 10°2	95 90.8 27.8	155 148.2 45.3	215 205·6 62·9	275 263·0 80·4
36 34·4 10·5	96 91.8 28.1	156 149·2 45·6	216 206.6 63.2	276 263.9 80.7
37 35·4 10·8	97 92.8 28.4	157 150·1 45·9	217 207.5 63.4	277 264.9 81.0
38 36·3 11·1	98 93.7 28.7	158 151·1 46·2	218 208.5 63.7	278 265.9 81.3
39 37·3 11·4	99 94.7 28.9	159 152·1 46·5	219 209.4 64.0	279 266.8 81.6
40 38·3 11·7	100 95.6 29.2	160 153·0 46·8	220 210.4 64.3	280 267.8 81.9
41 39·2 12·0	101 96.6 29.5	161 154.0 47.1	221 211·3 64·6	281 268·7 82·2
42 40·2 12·3	102 97.5 29.8	162 154.9 47.4	222 212·3 64·9	282 269·7 82·4
43 41·1 12·6	103 98.5 30.1	163 155.9 47.7	223 213·3 65·2	283 270·6 82·7
44 42·1 12·9	104 99.5 30.4	164 156.8 47.9	224 214·2 65·5	284 271·6 83·0
45 43·0 13·2	105 100.4 30.7	165 157.8 48.2	225 215·2 65·8	285 272·5 83·3
46 44.0 13.4	106 101·4 31·0	166 158·7 48·5	226 216·1 66·1	286 273·5 83·6
47 44.9 13.7	107 102·3 31·3	167 159·7 48·8	227 217·1 66·4	287 274·5 83·9
48 45.9 14.0	108 103·3 31·6	168 160·7 49·1	228 218·0 66·7	288 275·4 84·2
49 46.9 14.3	109 104·2 31·9	169 161·6 49·4	229 219·0 67·0	289 276·4 84·5
50 47.8 14.6	110 105·2 32·2	170 162·6 49·7	230 220·0 67·2	290 277·3 84·8
51 48·8 14·9	111 106·1 32·5	171 163·5 50·0	231 220·9 67·5	291 278·3 85·1
52 49·7 15·2	112 107·1 32·7	172 164·5 50·3	232 221·9 67·8	292 279·2 85·4
53 50·7 15·5	113 108·1 33·0	173 165·4 50·6	233 222·8 68·1	293 280·2 85·7
54 51·6 15·8	114 109·0 33·3	174 166·4 50·9	234 223·8 68·4	294 281·2 86·0
55 52·6 16·1	115 110·0 33·6	175 167·4 51·2	235 224·7 68·7	295 282·1 86·2
56 53.6 16.4	116 110.9 33.9	176 168·3 51·5	236 225·7 69·0	296 283·1 86·5
57 54.5 16.7	117 111.9 34.2	177 169·3 51·7	237 226·6 69·3	297 284·0 86·8
58 55.5 17.0	118 112.8 34.5	178 170·2 52·0	238 227·6 69·6	298 285·0 87·1
59 56.4 17.2	119 113.8 34.8	179 171·2 52·3	239 228·6 69·9	299 285·9 87·4
60 57.4 17.5	120 114.8 35.1	180 172·1 52·6	240 229·5 70·2	300 286·9 87·7
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Dist. Lat. De	p. Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 01·0 00 2 01·9 00 3 02·9 00 4 03·8 01 5 04·8 01	6 62 59.0 19.2 9 63 59.9 19.5 2 64 60.9 19.8	121 115·1 37·4 122 116·0 37·7 123 117·0 38·0 124 117·9 38·3 125 118·9 38·6	181 172·1 55·9 182 173·1 56·2 183 174·0 56·6 184 175·0 56·9 185 175·9 57·2	241 229·2 74·5 242 230·2 74·8 243 231·1 75·1 244 232·1 75·4 245 233·0 75·7
6 05·7 01 7 06·7 02 8 07·6 02 9 08·6 02 10 09·5 03	·2 67 63·7 20·7 ·5 68 64·7 21·0 ·8 69 65·6 21·3	126 119·8 38·9 127 120·8 39·2 128 121·7 39·6 129 122·7 39·9 130 123·6 40·2	186 176·9 57·5 187 177·8 57·8 188 178·8 58·1 189 179·7 58·4 190 180·7 58·7	246 234·0 76·0 247 234·9 76·3 248 235·9 76·6 249 236·8 76·9 250 237·8 77·3
11 10·5 03 12 11·4 03 13 12·4 04 14 13·3 04 15 14·3 04	7 72 68·5 22·2 0 73 69·4 22·6 0 74 70·4 22·9	131 124·6 40·5 132 125·5 40·8 133 126·5 41·1 134 127·4 41·4 135 128·4 41·7	191 181·7 59·0 192 182·6 59·3 193 183·6 59·6 194 184·5 59·9 195 185·5 60·3	251 238·7 77·6 252 239·7 77·9 253 240·6 78·2 254 241·6 78·5 255 242·5 78·8
16 15·2 04 17 16·2 05 18 17·1 05 19 18·1 05 20 19·0 06	*3     77     73·2     23·8       *6     78     74·2     24·1       *9     79     75·1     24·4	136 129·3 42·0 137 130·3 42·3 138 131·2 42·6 139 132·2 43·0 140 133·1 43·3	196 186.4 60.6 197 187.4 60.9 198 188.3 61.2 199 189.3 61.5 200 190.2 61.8	256 243·5 79·1 257 244·4 79·4 258 245·4 79·7 259 246·3 80·0 260 247·3 80·3
21 20·0 06 22 20·9 06 23 21·9 07 24 22·8 07 25 23·8 07	*8 82 78.0 25.3 *1 83 78.9 25.6 *4 84 79.9 26.0	141 134·1 43·6 142 135·1 43·9 143 136·0 44·2 144 137·0 44·5 145 137·9 44·8	201 191·2 62·1 202 192·1 62·4 203 193·1 62·7 204 194·0 63·0 205 195·0 63·3	261 248·2 80·7 262 249·2 81·0 263 250·1 81·3 264 251·1 81·6 265 252·0 81·9
26 24·7 08 27 25·7 08 28 26·6 08 29 27·6 09 30 28·5 09	*3 87 82*7 26*9 *7 88 83*7 27*2 *0 89 84*6 27*5	146 138'9 45'1 147 139'8 45'4 148 140'8 45'7 149 141'7 46'0 150 142'7 46'4	206 195·9 63·7 207 196·9 64·0 208 197·8 64·3 209 198·8 64·6 210 199·7 64·9	266 253·0 82·2 267 253·9 82·5 268 254·9 82·8 269 255·8 83·1 270 256·8 83·4
31 29·5 09 32 30·4 09 33 31·4 10 34 32·3 10 35 33·3 10	9 92 87·5 28·4 •2 93 88·4 28·7 •5 94 89·4 29·0	151 143.6 46.7 152 144.6 47.0 153 145.5 47.3 154 146.5 47.6 155 147.4 47.9	211 200·7 65·2 212 201·6 65·5 213 202·6 65·8 214 203·5 66·1 215 204·5 66·4	271 257·7 83·7 272 258·7 84·1 273 259·6 84·4 274 260·6 84·7 275 261·5 85·0
36 34·2 11 37 35·2 11 38 36·1 11 39 37·1 12 40 38·0 12	97     92.3     30.0       98     93.2     30.3       99     94.2     30.6	156 148.4 48.2 157 149.3 48.5 158 150.3 48.8 159 151.2 49.1 160 152.2 49.4	216 205:4 66:7 217 206:4 67:1 218 207:3 67:4 219 208:3 67:7 220 209:2 68:0	276 262·5 85·3 277 263·4 85·6 278 264·4 85·9 279 265·3 86·2 280 266·3 86·5
41 39·0 12 42 39·9 13 43 40·9 13 44 41·8 13 45 42·8 13	0 102 97 0 31 5 3 103 98 0 31 8 6 104 98 9 32 1	161 153·1 49·8 162 154·1 50 1 163 155·0 50·4 164 156·0 50·7 165 156·9 51·0	221 210·2 68·3 222 211·1 68·6 223 212·1 68·9 224 213·0 69·2 225 214·0 69·5	281 267·2 86·8 282 268·2 87·1 283 269·1 87·5 284 270·1 87·8 285 271·1 88·1
46 43.7 14 47 44.7 14 48 45.7 14 49 46.6 15 50 47.6 15	·5   107 101·8 33·1 ·8   108 102·7 33·4 ·1   109 103·7 33·7	166 157.9 51.3 167 158.8 51.6 168 159.8 51.9 169 160.7 52.2 170 161.7 52.5	226 214 9 69 8 227 215 9 70 1 228 216 8 70 5 229 217 8 70 8 230 218 7 71 1	286 272.0 88.4 287 273.0 88.7 288 273.9 89.0 289 274.9 89.3 290 275.8 89.6
51 48·5 15 52 49·5 16 53 50·4 16 54 51·4 16 55 52·3 17	1 112 106·5 34·6 ·4 113 107·5 34·9 ·7 114 108·4 35·2	171 162·6 52·8 172 163·6 53·2 173 164·5 53·5 174 165·5 53·8 175 166·4 54·1	231 219·7 71·4 232 220·6 71·7 233 221·6 72·0 234 222·5 72·3 235 223·5 72·6	291 276·8 89·9 292 277·7 90·2 293 278·7 90·5 294 279·6 90·9 295 280·6 91·2
56 53·8 17 57 54·2 17 58 55·2 17 59 56·1 18 60 57·1 18	6   117 111·3 36·2 9   118 112·2 36·5 2   119 113·2 36·8	176 167.4 54.4 177 168.3 54.7 178 169.3 55.0 179 170.2 55.3 180 171.2 55.6	236 224·4 72·9 237 225·4 73·2 238 226·4 73·5 239 227·3 73·9 240 228·3 74·2	296 281·5 91·5 297 282·5 91·8 298 283·4 92·1 299 284·4 92·4 300 285·3 92·7
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Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 00-9 00-3	61 57·7 19·9	121 114·4 39·4	181 171·1 58·9	241 227'9 78'5
2 01-9 00-7	62 58·6 20·2	122 115·4 39·7	182 172·1 59·3	242 228'8 78'8
3 02-8 01-0	63 59·6 20·5	123 116·3 40·0	183 173·0 59·6	243 229'8 79'1
4 03-8 01-3	64 60·5 20·8	124 117·2 40·4	184 174·0 59·9	244 230'7 79'4
5 04-7 01-6	65 61·5 21·2	125 118·2 40·7	185 174·9 60·2	245 231'7 79'8
6 05.7 02.0	66 62·4 21·5	126 119·1 41·0	186 175.9 60.6	246 232.6 80.1
7 06.6 02.3	67 63·3 21·8	127 120·1 41·3	187 176.8 60.9	247 233.5 80.4
8 07.6 02.6	68 64·3 22·1	128 121·0 41·7	188 177.8 61.2	248 234.5 80.7
9 08.5 02.9	69 65·2 22·5	129 122·0 42·0	189 178.7 61.5	249 235.4 81.1
10 09.5 03.3	70 66·2 22·8	130 122·9 42·3	190 179.6 61.9	250 236.4 81.4
11 10·4 03·6	71 67·1 23·1	131 123·9 42·6	191 180.6 62.2	251 237·3 81·7
12 11·3 03·9	72 68·1 23·4	132 124·8 43·0	192 181.5 62.5	252 238·3 82·0
13 12·3 04·2	73 69·0 23·8	133 125·8 43·3	193 182.5 62.8	253 239·2 82·4
14 13·2 04·6	74 70·0 24·1	134 126·7 43·6	194 183.4 63.2	254 240·2 82·7
15 14·2 04·9	75 70·9 24·4	135 127·6 44·0	195 184.4 63.5	255 241·1 83·0
16 15·1 05·2	76 71·9 24·7	136 128.6 44.3	196 185·3 63·8	256 242°1 83°3
17 16·1 05·5	77 72·8 25·1	137 129.5 44.6	197 186·3 64·1	257 243°0 83°7
18 17·0 05·9	78 73·8 25·4	138 130.5 44.9	198 187·2 64·5	258 243°9 84°0
19 18·0 06·2	79 74·7 25·7	139 131.4 45.3	199 188·2 64·8	259 244°9 84°3
20 18·9 06·5	80 75·6 26·0	140 132.4 45.6	200 189·1 65·1	260 245°8 84°6
21 19·9 06·8	81 76.6 26.4	141 133·3 45·9	201 190°0 65°4	261 246·8 85·0
22 20·8 07·2	82 77.5 26.7	142 134·3 46·2	202 191°0 65°8	262 247·7 85·3
23 21·7 07·5	83 78.5 27.0	143 135·2 46·6	203 191°9 66°1	263 248·7 85·6
24 22·7 07·8	84 79.4 27.3	144 136·2 46·9	204 192°9 66°4	264 249·6 86·0
25 23·6 08·1	85 80.4 27.7	145 137·1 47·2	205 193°8 66°7	265 250·6 86·3
26 24.6 08.5	86 81.3 28.0	146 138.0 47.5	206 194'8 67'1	266 251.5 86.6
27 25.5 08.8	87 82.3 28.3	147 139.0 47.9	207 195'7 67'4	267 252.5 86.9
28 26.5 09.1	88 83.2 28.7	148 139.9 48.2	208 196'7 67'7	268 253.4 87.8
29 27.4 09.4	89 84.2 29.0	149 140.9 48.5	209 197'6 68'0	269 254.3 87.6
30 28.4 09.8	90 85.1 29.3	150 141.8 48.8	210 198'6 68'4	270 255.3 87.9
31 29·3 10·1	91 86 0 29 6	151 142·8 49·2	211 199·5 68·7	271 256·2 88·2
32 30·3 10·4	92 87 0 30 0	152 143·7 49·5	212 200·4 69·0	272 257·2 88·6
33 31·2 10·7	93 87 9 30 3	153 144·7 49·8	213 201·4 69·3	273 258·1 88·9
34 32·1 11·1	94 88 9 30 6	154 145·6 50·1	214 202·3 69·7	274 259·1 89·2
35 33·1 11·4	95 89 8 30 9	155 146·6 50·5	215 203·3 70·0	275 260·0 89·5
36 34·0 11·7	96 90.8 31.3	156 147.5 50.8	216 204·2 70·3	276 261.0 89.9
37 35·0 12·0	97 91.7 31.6	157 148.4 51.1	217 205·2 70·6	277 261.9 90.2
38 35·9 12·4	98 92.7 31.9	158 149.4 51.4	218 206·1 71·0	278 262.9 90.5
39 36·9 12·7	99 93.6 32.2	159 150.3 51.8	219 207·1 71·3	279 263.8 90.8
40 37·8 13·0	100 94.6 32.6	160 151.3 52.1	220 208·0 71·6	280 264.7 91.2
41 38·8 13·3	101 95.5 32.9	161 152·2 52·4	221 209.0 72.0	281 265·7 91·5
42 39·7 13·7	102 96.4 33.2	162 153·2 52·7	222 209.9 72.3	282 266·6 91·8
43 40·7 14·0	103 97.4 33.5	163 154·1 53·1	223 210.9 72.6	283 267·6 92·1
44 41·6 14·3	104 98.3 33.9	164 155·1 53·4	224 211.8 72.9	284 268·5 92·5
45 42·5 14·7	105 99.3 34.2	165 156·0 53·7	225 212.7 73.3	285 269·5 92·8
46 43.5 15.0	106 100°2 34°5	166 157.0 54.0	226 213·7 73·6	286 270·4 93·1
47 44.4 15.3	107 101°2 34°8	167 157.9 54.4	227 214·6 73·9	287 271·4 93·4
48 45.4 15.6	108 102°1 35°2	168 158.8 54.7	228 215·6 74·2	288 272·3 93·8
49 46.3 16.0	109 103°1 35°5	169 159.8 55.0	229 216·5 74·6	289 273·3 94·1
50 47.3 16.3	110 104°0 35°8	170 160.7 55.3	230 217·5 74·9	290 274·2 94·4
51 48·2 16·6	111 105:0 36:1	171 161.7 55.7	231 218·4 75·2	291 275·1 94·7
52 49·2 16·9	112 105:9 36:5	172 162.6 56.0	232 219·4 75·5	292 276·1 95·1
53 50·1 17·3	113 106:8 36:8	173 163.6 56.3	233 220·3 75·9	293 277·0 95·4
54 51·1 17·6	114 107:8 37:1	174 164.5 56.6	234 221·3 76·2	294 278·0 95·7
55 52·0 17·9	115 108:7 37:4	175 165.5 57.0	235 222·2 76·5	295 278·9 96·0
56 52.9 18.2	116 109·7 37·8	176 166.4 57.3	236 223·1 76·8	296 279·9 96·4
57 53.9 18.6	117 110·6 38·1	177 167.4 57.6	237 224·1 77·2	297 280·8 96·7
58 54.8 18.9	118 111·6 38·4	178 168.3 58.0	238 225·0 77·5	298 281·8 97·0
59 55.8 19.2	119 112·5 38·7	179 169.2 58.3	239 226·0 77·8	299 282·7 97·3
60 56.7 19.5	120 113·5 39·1	180 170.2 58.6	240 226·9 78·1	300 283·7 97·7
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Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 00°9 00°3	61 57:3 20:9	121 113·7 41·4	181 170·1 61·9	241 226·5 82·4
2 01°9 00°7	62 58:3 21:2	122 114·6 41·7	182 171·0 62·2	242 227·4 82·8
3 02°8 01°0	63 59:2 21:5	123 115·6 42·1	183 172·0 62·6	243 228·3 83·1
4 03°8 01°4	64 60:1 21:9	124 116·5 42·4	184 172·9 62·9	244 229·3 83·5
5 04°7 01°7	65 61:1 22:2	125 117·5 42·8	185 173·8 63·3	245 230·2 83·8
6 05.6 02.1	66 62.0 22.6	126 118·4 43·1	186 174.8 63.6	246 231·2 84·1
7 06.6 02.4	67 63.0 22.9	127 119·3 43·4	187 175.7 64.0	247 232·1 84·5
8 07.5 02.7	68 63.9 23.3	128 120·3 43·8	188 176.7 64.3	248 233·0 84·8
9 08.5 03.1	69 64.8 23.6	129 121·2 44·1	189 177.6 64.6	249 234·0 85·2
10 09.4 03.4	70 65.8 23.9	130 122·2 44·5	190 178.5 65.0	250 234·9 85·5
11 10·3 03·8	71 66·7 24·3	131 123·1 44·8	191 179·5 65·3	251 235·9 85·8
12 11·3 04·1	72 67·7 24·6	132 124·0 45·1	192 180·4 65·7	252 236·8 86·2
13 12·2 04·4	73 63·6 25·0	133 125·0 45·5	193 181·4 66·0	253 237·7 86·5
14 13·2 04·8	74 69·5 25·3	134 125·9 45·8	194 182·3 66·4	254 238·7 86·9
15 14·1 05·1	75 70·5 25·7	135 126·9 46·2	195 183·2 66·7	255 239·6 87·2
16 15.0 05.5	76 71·4 26·0	136 127·8 46·5	196 184·2 67·0	256 240.6 87.6
17 16.0 05.8	77 72·4 26·3	137 128·7 46·9	197 185·1 67·4	257 241.5 87.9
18 16.9 06.2	78 73·3 26·7	138 129·7 47·2	198 186·1 67·7	258 242.4 88.2
19 17.9 06.5	79 74·2 27·0	139 130·6 47·5	199 187·0 68·1	259 243.4 88.6
20 18.8 06.8	80 75·2 27·4	140 131·6 47·9	200 187·9 68·4	260 244.3 88.9
21 19·7 07·2	81 76·1 27·7	141 132·5 48·2	201 188·9 68·7	261 245·3 89·3
22 20·7 07·5	82 77·1 28·0	142 133·4 48·6	202 189·8 69·1	262 246·2 89·6
23 21·6 07·9	83 78·0 28·4	143 134·4 48·9	203 190·8 69·4	263 247·1 90·0
24 22·6 08·2	84 78·9 28·7	144 135·3 49·3	204 191·7 69·8	264 248·1 90·3
25 23·5 08·6	85 79·9 29·1	145 136·3 49·6	205 192·6 70·1	265 249·0 90·6
26 24·4 08·9	86 80'8 29'4	146 137·2 49·9	206 193.6 70.5	266 250·0 91·0
27 25·4 09·2	87 81'8 29'8	147 138·1 50·3	207 194.5 70.8	267 250·9 91·3
28 26·3 09·6	88 82'7 30'1	148 139·1 50·6	208 195.5 71.1	268 251·8 91·7
29 27·3 09·9	89 83'6 30'4	149 140·0 51·0	209 196.4 71.5	269 252·8 92·0
30 28·2 10·3	90 84'6 30'8	150 141·0 51·3	210 197.3 71.8	270 253·7 92·3
31 29·1 10·6	91 85·5 31·1	151 141·9 51·6	211 198·3 72·2	271 254·7 92·7
32 30·1 10·9	92 86·5 31·5	152 142·8 52·0	212 199·2 72·5	272 255·6 93·0
33 31·0 11·3	93 87·4 31·8	153 143·8 52·3	213 200·2 72·9	273 256·5 93·4
34 31·9 11·6	94 88·3 32·1	154 144·7 52·7	214 201·1 73·2	274 257·5 93·7
35 32·9 12·0	95 89·3 32·5	155 145·7 53·0	215 202·0 73·5	275 258·4 94·1
36 33·8 12·3	96 90°2 32°8	156 146.6 53.4	216 203·0 73·9	276 259 4 94 4
37 34·8 12·7	97 91°2 33°2	157 147.5 53.7	217 203·9 74·2	277 260 3 94 7
38 35·7 13·0	98 92°1 33°5	158 148.5 54.0	218 204·9 74·6	278 261 2 95 1
39 36·6 13·3	99 93°0 33°9	159 149.4 54.4	219 205·8 74·9	279 262 2 95 4
40 37·6 13·7	100 94°0 34°2	160 150.4 54.7	220 206·7 75·2	280 263 1 95 8
41 38·5 14·0	101 94.9 34.5	161 151·3 55·1	221 207·7 75·6	281 264 1 96 1
42 39·5 14·4	102 95.8 34.9	162 152·2 55·4	222 208·6 75·9	282 265 0 96 4
43 40·4 14·7	103 96.8 35.2	163 153·2 55·7	223 209·6 76·3	283 265 9 96 8
44 41·3 15·0	104 97.7 35.6	164 154·1 56·1	224 210·5 76·6	284 266 9 97 1
45 42·3 15·4	105 98.7 35.9	165 155·0 56·4	225 211·4 77·0	285 267 8 97 5
46 43·2 15·7	106 99.6 36.3	166 156.0 56.8	226 212·4 77·8	286 268·8 97·8
47 44·2 16·1	107 100.5 36.6	167 156.9 57.1	227 213·3 77·6	287 269·7 93·2
48 45·1 16·4	108 101.5 36.9	168 157.9 57.5	228 214·2 78·0	288 270·6 98·5
49 46·0 16·8	109 102.4 37.3	169 158.8 57.8	229 215·2 78·3	289 271·6 98·8
50 47·0 17·1	110 103.4 37.6	170 159.7 58.1	230 216·1 78·7	290 272·5 99·2
51 47.9 17.4	111 104·3° 58·0	171 160·7 58·5	231 217·1 79·0	291 273·5 99·5
52 48.9 17.8	112 105·2 38·3	172 161·6 58·8	232 218·0 79·3	292 274·4 99·9
53 49.8 18.1	113 106·2 38·6	173 162·6 59·2	233 218·9 79·7	293 275·3 100·2
54 50.7 18.5	114 107·1 39·0	174 163·5 59·5	234 219·9 80·0	294 276·3 100·6
55 51.7 18.8	115 108·1 39·3	175 164·4 59·9	235 220·8 80·4	295 277·2 100·9
56 52.6 19.2	116 109·0 39·7	176 165.4 60.2	236 221·8 80·7	296 278'1 101'2
57 53.6 19.5	117 109·9 40·0	177 166.8 60.5	237 222·7 81·1	297 279'1 101'6
58 54.5 19.8	118 110·9 40·4	178 167.3 60.9	238 223·6 81·4	298 280'0 101'9
59 55.4 20.2	119 111·8 40·7	179 168.2 61.2	239 224·6 81·7	299 281'0 102'8
60 56.4 20.5	120 112·8 41·0	180 169.1 61.6	240 225·5 82·1	300 281'9 102'6
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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00°9	00·4	61	56-9	21·9	121	113.0	43·4	181	169·0	64·9	241	225·0	86·4
2	01°9	00·7	62	57-9	22·2	122	113.9	43·7	182	169·9	65·2	242	225·9	86·7
3	02°8	01·1	63	58-8	22·6	123	114.8	44·1	183	170·8	65·6	243	226·9	87·1
4	03°7	01·4	64	59-7	22·9	124	115.8	44·4	184	171·8	65·9	244	227·8	87·4
5	04°7	01·8	65	60-7	23·3	125	116.7	44·8	185	172·7	66·3	245	228·7	87·8
6	05.6	02·2	66	61.6	23·7	126	117.6	45.5	186	173.6	66.7	246	229·7	88·2
7	06.5	02·5	67	62.5	24·0	127	118.6	45.5	187	174.6	67.0	247	230·6	88·5
8	07.5	02·9	68	63.5	24·4	128	119.5	45.9	188	175.5	67.4	248	231·5	88·9
9	08.4	03·2	69	64.4	24·7	129	120.4	46.2	189	176.4	67.7	249	232·5	89·2
10	09.3	03·6	70	65.4	25·1	130	121.4	46.6	190	177.4	68.1	250	233·4	89·6
11	10·3	03·9	71	66·3	25·4	131	122:3	46-9	191	178·3	68.4	251	234·3	90.0
12	11·2	04·3	.72	67·2	25·8	132	123:2	47-3	192	179·2	68.8	252	235·3	90.3
13	12·1	04·7	.73	68·2	26·2	133	124:2	47-7	193	180·2	69.2	253	236·2	90.7
14	13·1	05·0	.74	69·1	26·5	134	125:1	48-0	194	181·1	69.5	254	237·1	91.0
15	14·0	05·4	.75	70·0	26·9	135	126:0	48-4	195	182·0	69.9	255	238·1	91.4
16 17 18 19 20	14.9 15.9 16.8 17.7 18.7	05·7 06·1 06·5 06·8 07·2	76 77 78 79 80	71.0 71.9 72.8 73.8 74.7	27·2 27·6 28·0 28·3 28·7	136 137 138 139 140	127.9 127.9 128.8 129.8 130.7	48.7 49.1 49.5 49.8 50.2	196 197 198 199 200	183.9 184.8 185.8 186.7	70·2 70·6 71·0 71·3 71·7	256 257 258 259 260	239·0 239·9 240·9 241·8 242·7	91.7 92.1 92.5 92.8 93.2
21	19.6	07.5	81	75.6	29.0	141	131.6	50.5	201	187.6	72.0	261	243.7	93.5
22	20.5	07.9	82	76.6	29.4	142	132.6	50.9	202	188.6	72.4	262	244.6	93.9
23	21.5	08.2	83	77.5	29.7	143	133.5	51.2	203	189.5	72.7	263	245.5	94.3
24	22.4	08.6	84	78.4	30.1	144	134.4	51.6	204	190.5	73.1	264	246.5	94.6
25	23.3	09.0	85	79.4	30.5	145	135.4	52.0	205	191.4	73.5	265	247.4	95.0
26	24·3	09·3	86	80·3	30·8	146	136·3	52·3	206	192·3	73·8	266	248·3	95·3
27	25·2	09·7	87	81·2	31·2	147	137·2	52·7	207	193·3	74·2	267	249·3	95·7
28	26·1	10·0	88	82·2	31·5	148	138·2	53·0	208	194·2	74·5	268	250·2	96·0
29	27·1	10·4	89	83·1	31·9	149	139·1	53·4	209	195·1	74·9	269	251·1	96·4
30	28·0	10·8	90	84·0	32·3	150	140·0	53·8	210	196·1	75·3	270	252·1	96·8
31	28.9	11·1	91	85.0	32·6	151	141.0	54.1	211	197.0	75.6	271	253.9	97·1
32	29.9	11·5	92	85.9	33·0	152	141.9	54.5	212	197.9	76.0	272	253.9	97·5
33	30.8	11·8	93	86.8	33·3	153	142.8	54.8	213	198.9	76.3	273	254.9	97·8
34	31.7	12·2	94	87.8	33·7	154	143.8	55.2	214	199.8	76.7	274	255.8	98·2
35	32.7	12·5	95	88.7	34·0	155	144.7	55.5	215	200.7	77.0	275	256.7	98·6
36 37 38 39 40	33.6 34.5 35.5 36.4 37.3	12·9 13·3 13·6 14·0 14·3	96 97 98 99 100	89.6 90.6 91.5 92.4 93.4	34·4 34·8 35·1 35·5 35·8	156 157 158 159 160	145.6 146.6 147.5 148.4 149.4	55-9 56-3 56-6 57-0 57-3	216 217 218 219 220	201.7 202.6 203.5 204.5 205.4	77.4 77.8 78.1 78.5 78.8	276 277 278 279 280	257.7 258.6 259.5 260.5 261.4	98.9 99.6 100.0 100.3
41	38·3	14·7	101	94·3	36·2	161	150·3	57·7	221	206·3	79·2	281	262·3	100.7
42	39·2	15·1	102	95·2	36·6	162	151·2	58·1	222	207·3	79·6	282	263·3	101.1
43	40·1	15·4	103	96·2	36·9	163	152·2	58·4	223	208·2	79·9	283	264·2	101.4
44	41·1	15·8	104	97·1	37·3	164	153·1	58·8	224	209·1	80·3	284	265·1	101.8
45	42·0	16·1	105	98·0	37·6	165	154·0	59·1	225	210·1	80·6	285	266·1	102.1
46	42.9	16·5	106	99.0	38·0	166	155.0	59·5	226	211.0	81·0	286	267·0	102·5
47	43.9	16·8	107	99.9	38·3	167	155.9	59·8	227	211.9	81·3	287	267·9	102·9
48	44.8	17·2	108	100.8	38·7	168	156.8	60·2	228	212.9	81·7	288	268·9	103·2
49	45.7	17·6	109	101.8	39·1	169	157.8	60·6	229	213.8	82·1	289	269·8	103·6
50	46.7	17·9	110	102.7	39·4	170	158.7	60·9	230	214.7	82·4	290	270·7	103·9
51	47.6	18·3	111	103.6	39·8	171	159.6	61.3	231	215·7	82·8	291	271.7	104·3
52	48.5	18·6	112	104.6	40·1	172	160.6	61.6	232	216·6	83·1	292	272.6	104·6
53	49.5	19·0	113	105.5	40·5	173	161.5	62.0	233	217·5	83·5	293	273.5	105·0
54	50.4	19·4	114	106.4	40·9	174	162.4	62.4	234	218·5	83·9	294	274.5	105·4
55	51.3	19·7	115	107.4	41·2	175	163.4	62.7	235	219·4	84·2	295	275.4	105·7
56	52·3	20·1	116	108·3	41.6	176	164·3	63·1	236	220·3	84.6	296	276·3	106·1
57	53·2	20·4	117	109·2	41.9	177	165·2	63·4	237	221·3	84.9	297	277·3	106·4
58	54·1	20·8	118	110·2	42.3	178	166·2	63·8	238	222·2	85.3	298	278·2	106·8
59	55·1	21·1	119	111·1	42.6	179	167·1	64·1	239	223·1	85.6	299	279·1	107·2
60	56·0	21·5	120	112·0	43.0	180	168·0	64·5	240	224·1	86.0	300	280·1	107·5
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

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Dist	. Lat.	Dep.	Dist	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00·9	00·4	61	56.6	22.9	121	112·2	45·3	181	167·8	67.8	241	223·5	90·3
2	01·9	00·7	62	57.5	23.2	122	113·1	45·7	182	168·7	68.2	242	224·4	90·7
3	02·8	01·1	63	58.4	23.6	123	114·0	46·1	183	169·7	68.6	243	225·3	91·0
4	03·7	01·5	64	59.3	24.0	124	115·0	46·5	184	170·6	68.9	244	226·2	91·4
5	04·6	01·9	65	60.3	24.3	125	115·9	46·8	185	171·5	69.3	245	227·2	91·8
6	05.6	02·2	66	61·2	24·7	126	116.8	47·2	186	172·5	69·7	246	228·1	92·2
7	06.5	02·6	67	62·1	25·1	127	117.8	47·6	187	173·4	70·1	247	229·0	92·5
8	07.4	03·0	68	63·0	25·5	128	113.7	47·9	188	174·3	70·4	248	229·9	92·9
9	08.3	03·4	69	64·0	25·8	129	119.6	48·3	189	175·2	70·8	249	230·9	93·3
10	09.3	03·7	70	64·9	26·2	130	120.5	48·7	190	176·2	71·2	250	231·8	93·7
11	10·2	04·1	71	65.8	26·6	131	121.5	49.1	191	177·1	71.5	251	232·7	94·0
12	11·1	04·5	72	66.8	27·0	132	122.4	49.4	192	178·0	71.9	252	233·7	94·4
13	12·1	04·9	73	67.7	27·3	133	123.3	49.8	193	178·9	72.3	253	234·6	94·8
14	13·0	05·2	74	68.6	27·7	134	124.2	50.2	194	179·9	72.7	254	235·5	95·2
15	13·9	05·6	75	69.5	28·1	135	125.2	50.6	195	180·8	73.0	255	236·4	95·5
16	14.8	06·0	76	70·5	28.5	136	126·1	50.9	196	181·7	73·4	256	237·4	95°9
17	15.8	06·4	77	71·4	28.8	137	127·0	51.3	197	182·7	73·8	257	238·3	96°3
18	16.7	06·7	78	72·3	29.2	138	128·0	51.7	198	183·6	74·2	258	239·2	96°6
19	17.6	07·1	79	73·2	29.6	139	128·9	52.1	199	184·5	74·5	259	240·1	97°0
20	18.5	07·5	80	74·2	30.0	140	129·8	52.4	200	185·4	74·9	260	241·1	97°4
21	19·5	07.9	81	75·1	30·3	141	130·7	52·8	201	186·4	75·3	261	242·0	97.8
22	20·4	08.2	82	76·0	30·7	142	131·7	53·2	202	187·3	75·7	262	242·9	98.1
23	21·3	08.6	83	77·0	31·1	143	132·6	53·6	203	188·2	76·0	263	243·8	98.5
24	22·3	09.0	84	77·9	31·5	144	133·5	53·9	204	189·1	76·4	264	244·8	98.9
25	23·2	09.4	85	78·8	31·8	145	134·4	54·3	205	190·1	76·8	265	245·7	99.3
26	24·1	09·7	86	79·7	32·2	146	135·4	54.7	206	191.0	77·2	266	246.6	99.6
27	25·0	10·1	87	80·7	32·6	147	136·3	55.1	207	191.9	77·5	267	247.6	100.0
28	26·0	10·5	88	81·6	33·0	148	137·2	55.4	208	192.9	77·9	268	248.5	100.4
29	26·9	10·9	89	82·5	33·3	149	138·2	55.8	209	193.8	78·3	269	249.4	100.8
30	27·8	11·2	90	83·4	33·7	150	139·1	56.2	210	194.7	78·7	270	250.3	101.1
31	28.7	11.6	91	84·4	34·1	151	140.0	56.6	211	195.6	79·0	271	251·3	101.5
32	29.7	12.0	92	85·3	34·5	152	140.9	56.9	212	196.6	79·4	272	252·2	101.9
33	30.6	12.4	93	86·2	34·8	153	141.9	57.3	213	197.5	79·8	273	253·1	102.3
34	31.5	12.7	94	87·2	35·2	154	142.8	57.7	214	198.4	80·2	274	254·0	102.6
35	32.5	13.1	95	88·1	35·6	155	143.7	58.1	215	199.3	80·5	275	255·0	103.0
36	33·4	13·5	96	89.0	36·0	156	144.6	58.4	216	200·3	80.9	276	255.9	103·4
37	34·3	13·9	97	89.9	36·3	157	145.6	58.8	217	201·2	81.3	277	256.8	103·8
38	35·2	14·2	98	90.9	36·7	158	146.5	59.2	218	202·1	81.7	278	257.8	104·1
39	36·2	14·6	99	91.8	37·1	159	147.4	59.6	219	203·1	82.0	279	258.7	104·5
40	37·1	15·0	100	92.7	37·5	160	148.3	59.9	220	204·0	82.4	280	259.6	104·9
41 42 43 44 45	38.9 39.9 40.8 41.7	15·4 15·7 16·1 16·5 16·9	101 102 103 104 105	93.6 94.6 95.5 96.4 97.4	37·8 38·2 38·6 39·0 39·3	161 162 163 164 165	149·3 150·2 151·1 152·1 153·0	60·3 60·7 61·1 61·4 61·8	221 222 223 224 225	204·9 205·8 206·8 207·7 208·6	82.8 83.2 83.5 83.9 84.3	281 282 283 284 285	260·5 261·5 262·4 263·3 264·2	105·3 105·6 106·0 106·4 106·8
46	42·7	17.2	106	98·3	39·7	166	153·9	62·2	226	209·5	84.7	286	265·2	107·1
47	43·6	17.6	107	99·2	40·1	167	154·8	62·6	227	210·5	85.0	287	266·1	107·5
48	44·5	18.0	108	100·1	40·5	168	155·8	62·9	228	211·4	85.4	288	267·0	107·9
49	45·4	18.4	109	101·1	40·8	169	156·7	63·3	229	212·3	85.8	289	268·0	108·3
50	46·4	18.7	110	102·0	41·2	170	157·6	63·7	230	213·3	86.2	290	268·9	108·6
51	47·3	19·1	111	102.9	41.6	171	158·5	64·1	231	214·2	86.5	291	269·8	109·0
52	48·2	19·5	112	103.8	42.0	172	159·5	64·4	232	215·1	86.9	292	270·7	109·4
53	49·1	19·9	113	104.8	42.3	173	160·4	64·8	233	216·0	87.3	293	271·7	109·8
54	50·1	20·2	114	105.7	42.7	174	161·3	65·2	234	217·0	87.7	294	272·6	110·1
55	51·0	20·6	115	106.6	43.1	175	162·3	65·6	235	217·9	88.0	295	273·5	110·5
56	51.9	21·0	116	107.6	43.5	176	163·2	65.9	236	218·8	88·4	296	274·4	110·9
57	52.8	21·4	117	108.5	43.8	177	164·1	66.3	237	219·7	88·8	297	275·4	111·3
58	53.8	21·7	118	109.4	44.2	178	165·0	66.7	238	220·7	89·2	298	276·3	111·6
59	54.7	22·1	119	110.3	44.6	179	166·0	67.1	239	221·6	89·5	299	277·2	112·0
60	55.6	22·5	120	111.3	45.0	180	166·9	67.4	240	222·5	89·9	300	278·2	112·4
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00.9	00:4	61	56·2	23·8	121	111·4	47·3	181	166.6	70·7	241	221·8	94·2
2	01.8	00:8	62	57·1	24·2	122	112·3	47·7	182	167.5	71·1	242	222·8	94·6
3	02.8	01:2	63	58·0	24·6	123	113·2	48·1	183	168.5	71·5	243	223·7	94·9
4	03.7	01:6	64	58·9	25·0	124	114·1	48·5	184	169.4	71·9	244	224·6	95·3
5	04.6	02:0	65	59·8	25·4	125	115·1	48·8	185	170.3	72·3	245	225·5	95·7
6	05·5	02·3	66	60·8	25·8	126	116·0	49.2	186	171·2	72·7	246	226·4	96·1
7	06·4	02·7	67	61·7	26·2	127	116·9	49.6	187	172·1	73·1	247	227·4	96·5
8	07·4	03·1	68	62·6	26·6	128	117·8	50.0	188	173·1	73·5	248	228·3	96·9
9	08·3	03·5	69	63·5	27·0	129	118·7	50.4	189	174·0	73·8	249	229·2	97·3
10	09·2	03·9	70	64·4	27·4	130	119·7	50.8	190	174·9	74·2	250	230·1	97·7
11	10·1	04·3	71	65·4	27.7	131	120.6	51.2	191	175·8	74·6	251	231·0	98·1
12	11·0	04·7	72	66·3	28.1	132	121.5	51.6	192	176·7	75·0	252	232·0	98·5
13	12·0	05·1	73	67·2	28.5	133	122.4	52.0	193	177·7	75·4	253	232·9	98·9
14	12·9	05·5	74	68·1	28.9	134	123.3	52.4	194	178·6	75·8	254	233·8	99·2
15	13·8	05·9	75	69·0	29.3	135	124.3	52.7	195	179·5	76·2	255	234·7	99·6
16	14.7	06·3	76	70·0	29·7	136	125·2	53·1	196	180·4	76·6	256	235·6	100·0
17	15.6	06·6	77	70·9	30·1	137	126·1	53·5	197	181·3	77·0	257	236·6	100·4
18	16.6	07·0	78	71·8	30·5	138	127·0	53·9	198	182·3	77·4	258	237·5	100·8
19	17.5	07·4	79	72·7	30·9	139	128·0	54·3	199	183·2	77·8	259	238·4	101·2
20	18.4	07·8	80	73·6	31·3	140	128·9	54·7	200	184·1	78·1	260	239·3	101·6
21	19·3	08·2	81	74·6	31.6	141	129·8	55·1	201	185.0	78·5	261	240·3	102·0
22	20·3	08·6	82	75·5	32.0	142	130·7	55·5	202	185.9	78·9	262	241·2	102·4
23	21·2	09·0	83	76·4	32.4	143	131·6	55·9	203	186.9	79·3	263	242·1	102·8
24	22·1	09·4	84	77·3	32.8	144	132·6	56·3	204	187.8	79·7	264	243·0	103·2
25	23·0	09·8	85	78·2	33.2	145	133·5	56·7	205	188.7	80·1	265	243·9	103·5
26	23·9	10·2	86	79·2	33.6	146	134·4	57.0	206	189.6	80·5	266	244·9	103·9
27	24·9	10·5	87	80·1	34.0	147	135·3	57.4	207	190.5	80·9	267	245·8	104·3
28	25·8	10·9	88	81·0	34.4	148	136·2	57.8	208	191.5	81·3	268	246·7	104·7
29	26·7	11·3	89	81·9	34.8	149	137·2	58.2	209	192.4	81·7	269	247·6	105·1
30	27·6	11·7	90	82·8	35.2	150	138·1	58.6	210	193.3	82·1	270	248·5	105·5
31	28·5	12·1	91	83·8	35·6	151	139·0	59.0	211	194·2	82·4	271	249·5	105·9
32	29·5	12·5	92	84·7	35·9	152	139·9	59.4	212	195·1	82·8	272	250·4	106·3
33	30·4	12·9	93	85·6	36·3	153	140·8	59.8	213	196·1	83·2	273	251·3	106·7
34	31·3	13·3	94	86·5	36·7	154	141·8	60.2	214	197·0	83·6	274	252·2	107·1
85	32·2	13·7	95	87·4	37·1	155	142·7	60.6	215	197·9	84·0	275	253·1	107·5
36	33·1	14·1	96	88·4	37·5	156	143.6	61·0	216	198·8	84·4	276	254·1	107·8
37	34·1	14·5	97	89·3	37·9	157	144.5	61·3	217	199·7	84·8	277	255·0	108·2
38	35·0	14·8	98	90·2	38·3	158	145.4	61·7	218	200·7	85·2	278	255·9	108·6
39	35·9	15·2	99	91·1	38·7	159	146.4	62·1	219	201·6	85·6	279	256·8	109·0
40	36·8	15·6	100	92·1	39·1	160	147.3	62·5	220	202·5	86·0	280	257·7	109·4
41	37·7	16·0	101	93.0	39·5	161	148*2	62·9	221	203·4	86·4	281	258·7	109·8
42	38·7	16·4	102	93.9	39·9	162	149*1	63·3	222	204·4	86·7	282	259·6	110·2
43	39·6	16·8	103	94.8	40·2	163	150*0	63·7	223	205·3	87·1	283	260·5	110·6
44	40·5	17·2	104	95.7	40·6	164	151*0	64·1	224	206·2	87·5	284	261·4	111·0
45	41·4	17·6	105	96.7	41·0	165	151*9	64·5	225	207·1	87·9	285	262·3	111·4
46	42·3	18.0	106	97.6	41·4	166	152·8	64.9	226	208·0	88·3	286	263·3	111·7
47	43·3	18.4	107	98.5	41·8	167	153·7	65.3	227	209·0	88·7	287	264·2	112·1
48	44·2	18.8	108	99.4	42·2	168	154·6	65.6	228	209·9	89·1	288	265·1	112·5
49	45·1	19.1	109	100.3	42·6	169	155·6	66.0	229	210·8	89·5	289	266·0	112·9
50	46·0	19.5	110	101.3	43·0	170	156·5	66.4	230	211·7	89·9	290	266·9	113·3
51	46.9	19·9	111	102·2	43·4	171	157·4	66·8	231	212.6	90·3	291	267·9	113·7
52	47.9	20·3	112	103·1	43·8	172	158·3	67·2	232	213.6	90·6	292	268·8	114·1
53	48.8	20·7	113	104·0	44·2	173	159·2	67·6	233	214.5	91·0	293	269·7	114·5
54	49.7	21·1	114	104·9	44·5	174	160·2	68·0	234	215.4	91·4	294	270·6	114·9
55	50.6	21·5	115	105·9	44·9	175	161·1	68·4	235	216.3	91·8	295	271·5	115·3
56	51.5	21.9	116	106·8	45·3	176	162.0	68·8	236	217·2	92·2	296	272·5	115·7
57	52.5	22.3	117	107·7	45·7	177	162.9	69·2	237	218·2	92·6	297	273·4	116·0
58	53.4	22.7	118	108·6	46·1	178	163.8	69·6	238	219·1	93·0	298	274·3	116·4
59	54.3	23.1	119	109·5	46·5	179	164.8	69·9	239	220·0	93·4	299	275·2	116·8
60	55.2	23.4	120	110·5	46·9	180	165.7	70·3	240	220·9	93·8	300	276·2	117·2
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1 00°9 00°4	61 55.7 24.8	121 110·5 49·2	181 165·4 73·6	241 220°2 98°0
2 01°8 00°8	62 56.6 25.2	122 111·5 49·6	182 166·3 74·0	242 221°1 98°4
3 02°7 01°2	63 57.6 25.6	123 112·4 50·0	183 167·2 74·4	243 222°0 98°8
4 03°7 01°6	64 58.5 26.0	124 113·3 50·4	184 168·1 74·8	244 222°9 99°2
5 04°6 02°0	65 59.4 26.4	125 114·2 50·8	185 169·0 75·2	245 223°8 99°7
6 05.5 02.4	66 60·3 26·8	126 115·1 51·2	186 169-9 75-7	246 224·7 100·1
7 06.4 02.8	67 61·2 27·3	127 116·0 51·7	187 170-8 76-1	247 225·6 100·5
8 07.3 03.3	68 62·1 27·7	128 116·9 52·1	188 171-7 76-5	248 226·6 100·9
9 08.2 03.7	69 63·0 28·1	129 117·8 52·5	189 172-7 76-9	249 227·5 101·3
10 09.1 04.1	70 63·9 23·5	130 118·8 52·9	190 173-6 77-3	250 228·4 101·7
11 10·0 04·5	71 64·9 28·9	131 119·7 53·3	191 174·5 77·7	251 229·3 102·1
12 11·0 04·9	72 65·8 29·3	132 120·6 53·7	192 175·4 78·1	252 230·2 102·5
13 11·9 05·3	73 66·7 29·7	133 121·5 54·1	193 176·3 78·5	253 231·1 102·9
14 12·8 05·7	74 67·6 30·1	134 122·4 54·5	194 177·2 78·9	254 232·0 103·3
15 13·7 06·1	75 68·5 30·5	135 123·3 54·9	195 178·1 79·3	255 233·0 103·7
16 14·6 06·5	76 69.4 30.9	136 124·2 55·3	196 179·1 79·7	256 233·9 104·1
17 15·5 06·9	77 70.3 31.3	137 125·2 55·7	197 180·0 80·1	257 234·8 104·5
18 16·4 07·3	78 71.3 31.7	138 126·1 56·1	198 180·9 80·5	258 235·7 104·9
19 17·4 07·7	79 72.2 32.1	139 127·0 56·5	199 181·8 80·9	259 236·6 105·3
20 18·3 08·1	80 73.1 32.5	140 127·9 56·9	200 182·7 81·3	260 237·5 105·8
21 19·2 08·5	81 74·0 32·9	141 128·8 57·3	201 183·6 81·8	261 238·4 106·2
22 20·1 08·9	82 74·9 33·4	142 129·7 57·8	202 184·5 82·2	262 239·3 106·6
23 21·0 09·4	83 75·8 33·8	143 130·6 58·2	203 185·4 82·6	263 240·3 107·0
24 21·9 09·8	84 76·7 34·2	144 131·6 58·6	204 186·4 83·0	264 241·2 107·4
25 22·8 10·2	85 77·7 34·6	145 132·5 59·0	205 187·3 83·4	265 242·1 107·8
26 23·8 10·6	86 78.6 35.0	146 133:4 59:4	206 188*2 83*8	266 243.0 108.2
27 24·7 11·0	87 79.5 35.4	147 134:3 59:8	207 189*1 84*2	267 243.9 108.6
28 25·6 11·4	88 80.4 35.8	148 135:2 60:2	208 190*0 84*6	268 244.8 109.0
29 26·5 11·8	89 81.3 36.2	149 136:1 60:6	209 190*9 85*0	269 245.7 109.4
30 27·4 12·2	90 82.2 36.6	150 137:0 61:0	210 191*8 85*4	270 246.7 109.8
31 28·3 12·6	91 83·1 37·0	151 137.9 61.4	211 192·8 85·8	271 247.6 110.2
32 29·2 13·0	92 84·0 37·4	152 138.9 61.8	212 193·7 86·2	272 248.5 110.6
33 30·1 13·4	93 85·0 37·8	153 139.8 62.2	213 194·6 86·6	273 249.4 111.0
34 31·1 13·8	94 85·9 38·2	154 140.7 62.6	214 195·5 87·0	274 250.3 111.4
35 32·0 14·2	95 86·8 38·6	155 141.6 63.0	215 196·4 87·4	275 251.2 111.9
36 32·9 14·6	96 87·7 39·0	156 142.5 63.5	216 197·3 87·9	276 252·1 112·3
37 33·8 15·0	97 88·6 39·5	157 143.4 63.9	217 198·2 88·3	277 253·1 112·7
38 34·7 15·5	98 89·5 39·9	158 144.3 64.3	218 199·2 88·7	278 254·0 113·1
39 35·6 15·9	99 90·4 40·3	159 145.3 64.7	219 200·1 89·1	279 254·9 113·5
40 36·5 16·3	100 91·4 40·7	160 146.2 65.1	220 201·0 89·5	280 255·8 113·9
41 37·5 16·7	101 92·3 41·1	161 147·1 65·5	221 201-9 89-9	281 256·7 114·3
42 38·4 17·1	102 93·2 41·5	162 148·0 65·9	222 202-8 90-3	282 257·6 114·7
43 39·3 17·5	103 94·1 41·9	163 148·9 66·3	223 203-7 90-7	283 258·5 115·1
44 40·2 17·9	104 95·0 42·3	164 149·8 66·7	224 204-6 91-1	284 259·4 116·5
45 41·1 18·3	105 95·9 42·7	165 150·7 67·1	225 205-5 91-5	285 260·4 115·9
46 42.0 18.7	106 96.8 43.1	166 151.6 67.5	226 206·5 91·9	286 261·3 116·3
47 42.9 19.1	107 97.7 43.5	167 152.6 67.9	227 207·4 92·3	287 262·2 116·7
48 43.9 19.5	108 98.7 43.9	168 153.5 68.3	228 208·3 92·7	288 263·1 117·1
49 44.8 19.9	109 99.6 44.3	169 154.4 68.7	229 209·2 93·1	289 264·0 117·5
50 45.7 20.3	110 100.5 44.7	170 155.3 69.1	230 210·1 93·5	290 264·9 118·0
51 46.6 20.7	111 101·4 45·1	171 156·2 69·6	231 211·0 94·0	291 265·8 118·4
52 47.5 21.2	112 102·3 45·6	172 157·1 70·0	232 211·9 94·4	292 266·8 118·8
53 48.4 21.6	113 103·2 46·0	173 158·0 70·4	233 212·9 94·8	293 267·7 119·2
54 49.3 22.0	114 104·1 46·4	174 159·0 70·8	234 213·8 95·2	294 268·6 119·6
55 50.2 22.4	115 105·1 46·8	175 159·9 71·2	235 214·7 95·6	295 269·5 120·0
56 51·2 22·8	116 106.0 47.2	176 160·8 71·6	236 215·6 96·0	296 270·4 120·4
57 52·1 23·2	117 106.9 47.6	177 161·7 72·0	237 216·5 96·4	297 271·3 120·8
58 53·0 23·6	118 107.8 48.0	178 162·6 72·4	238 217·4 96·8	298 272·2 121·2
59 53·9 24·0	119 108.7 48.4	179 163·5 72·8	239 218·3 97·2	299 273·2 121·6
60 54·8 24·4	120 109.6 48.8	180 164·4 78·2	240 219·3 97·6	300 274·1 122·0
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7 06·3 00 8 07·3 00 9 08·2 00	2·5 66 3·0 67 3·4 68 3·8 69 4·2 70	59·8 27·9 60·7 28·3 61·6 28·7 62·5 29·2 63·4 29·6	126 127 128 129 130	114·2 115·1 116·0 116·9 117·8	53·2 53·7 54·1 54·5 54·9	186 187 188 189 190	168.6 169.5 170.4 171.3 172.2	78·6 79·0 79·5 79·9 80·3	246 247 248 249 250	223·0 223·9 224·8 225·7 226·6	104.0 104.4 104.8 105.2 105.7
12 10·9 0 13 11·8 0 14 12·7 0	4·6 71 5·1 72 5·5 73 5·9 74 6·3 75	64·3 30·0 65·3 30·4 66·2 30·9 67·1 31·3 68·0 31·7	131 132 133 134 135	118·7 119·6 120·5 121·4 122·4	55.4 55.8 56.2 56.6 57.1	191 192 193 194 195	173·1 174·0 174·9 175·8 176·7	80·7 81·1 81·6 82·0 82·4	251 252 253 254 255	227 · 5 228 · 4 229 · 3 230 · 2 231 · 1	106·1 106·5 106·9 107·3 107·8
17 15.4 0 18 16.3 0 19 17.2 0	6·8 76 7·2 77 7·6 78 8·0 79 8·5 80	68.9 32.1 69.8 32.5 70.7 33.0 71.6 33.4 72.5 33.8	136 137 138 139 140	123·3 124·2 125·1 126·0 126·9	57.5 57.9 58.3 58.7 59.2	196 197 198 199 200	177.6 178.5 179.4 180.4 181.3	82·8 83·3 83·7 84·1 84·5	256 257 258 259 260	232·0 232·9 233·8 234·7 235·6	108.2 108.6 109.0 109.5 109.9
22 19·9 0 23 20·8 0 24 21·8 1	8.9 81 9.3 82 9.7 83 0.1 84 0.6 85	73·4 34·2 74·3 34·7 75·2 35·1 76·1 35·5 77·0 35·9	141 142 143 144 145	127·8 128·7 129·6 130·5 131·4	59.6 60.0 60.4 60.9 61.3	201 202 203 204 205	182·2 183·1 184·0 184·9 185·8	84·9 85·4 85·8 86·2 86·6	261 262 263 264 265	236·5 237·5 238·4 239·3 240·2	110·3 110·7 111·1 111·6 112·0
27 24·5 1 28 25·4 1 29 26·3 1	1.0 86 1.4 87 1.8 88 2.3 89 2.7 90	77.9 36.3 78.8 36.8 79.8 37.2 80.7 37.6 81.6 38.0	146 147 148 149 150	132·3 133·2 134·1 135·0 135·9	61.7 62.1 62.5 63.0 63.4	206 207 208 209 210	186.7 187.6 188.5 189.4 190.3	87·1 87·5 87·9 88·3 88·7	266 267 268 269 270	241·1 242·0 242·9 243·8 244·7	112.4 112.8 113.3 113.7 114.1
32 29·0 1 33 29·9 1 34 30·8 1	3·1 91 3·5 92 3·9 93 4·4 94 4·8 95	82.5 38.5 83.4 38.9 84.3 39.3 85.2 39.7 86.1 40.1	151 152 153 154 155	136.9 137.8 138.7 139.6 140.5	63.8 64.2 64.7 65.1 65.5	211 212 213 214 215	191·2 192·1 193·0 193·9 194·9	89·2 89·6 90·0 90·4 90·9	271 272 273 274 275	245.6 246.5 247.4 248.3 249.2	114.5 115.0 115.4 115.8 116.2
37 33.5 1 38 34.4 1 39 35.3 1	5·2 96 5·6 97 6·1 98 6·5 99 6·9 100	87.9 40.6 87.9 41.0 88.8 41.4 89.7 41.8 90.6 42.3	156 157 158 159 160	141·4 142·3 143·2 144·1 145·0	65.9 66.4 66.8 67.2 67.6	216 217 218 219 220	195·8 196·7 197·6 198·5 199·4	91·3 91·7 92·1 92·6 93·0	276 277 278 279 280	250·1 251·0 252·0 252·9 253·8	116·6 117·1 117·5 117·9 118·3
42 38·1 1 43 39·0 1 44 39·9 1	7·3   101 7·7   102 8·2   103 8·6   104 9·0   105	91.5 42.7 92.4 43.1 93.3 43.5 94.3 44.0 95.2 44.4	161 162 163 164 165	145.9 146.8 147.7 148.6 149.5	68.5 68.9 69.3 69.7	221 222 223 224 225	200·3 201·2 202·1 203·0 203·9	93·4 93·8 94·2 94·7 95·1	281 282 283 284 285	254.7 255.6 256.5 257.4 258.3	118·8 119·2 119·6 120·0 120·4
47 42.6 1 48 43.5 2 49 44.4 2	9.4   106 9.9   107 0.3   108 0.7   109 1.1   110	96·1 44·8 97·0 45·2 97·9 45·6 98·8 46·1 99·7 46·5	166 167 168 169 170	150.4 151.4 152.3 153.2 154.1	70·2 70·6 71·0 71·4 71·8	226 227 228 229 230	204·8 205·7 206·6 207·5 208·5	95·5 95·9 96·4 96·8 97·2	286 287 288 289 290	259·2 260·1 261·0 261·9 262·8	120·9 121·3 121·7 122·1 122·6
52 47·1 2 53 48·0 2 54 48·9 2	1.6 111 2.0 112 2.4 113 2.8 114 3.2 115	100·6 46·9 101·5 47·3 102·4 47·8 103·3 48·2 104·2 48·6	171 172 173 174 175	155.9 156.8 157.7 158.6	72·3 72·7 73·1 73·5 74·0	231 232 233 234 235	209·4 210·3 211·2 212·1 213·0	97.6 98.0 98.5 98.9 99.3	291 292 293 294 295	263·7 264·6 265·5 266·5 267·4	123·0 123·4 123·8 124·2 124·7
57 51.7 2 58 52.6 2 59 53.5 2	3·7   116 4·1   117 4·5   118 4·9   119 5·4   120	105·1 49·0 106·0 49·4 106·9 49·9 107·9 50·3 108·8 50·7	176 177 178 179 180	159·5 160·4 161·3 162·2 163·1	74·4 74·8 75·2 75·6 76·1	236 237 238 239 240	213·9 214·8 215·7 216·6 217·5	100·6 101 0	296 297 298 299 300	268·3 269·2 270·1 271·0 271·9	125·1 125·5 125·9 126·4 126·8
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1 00·9 00 2 01·8 00 3 02·7 01 4 03·6 01 5 04·5 02	9     62     55.7     27.2       10     10     10     10     10       10     10     10     10     10     10       10     10     10     10     10     10     10     10       10 <t< th=""><th>121 108·8 53·0 122 109·7 53·5 123 110·6 53·9 124 111·5 54·4 125 112·3 54·8</th><th>181 162·7 79·3 182 163·6 79·8 183 164·5 80·2 184 165·4 80·7 185 166·3 81·1</th><th>241 216.6 105.6 242 217.5 106.1 243 218.4 106.5 244 219.3 107.0 245 220.2 107.4</th></t<>	121 108·8 53·0 122 109·7 53·5 123 110·6 53·9 124 111·5 54·4 125 112·3 54·8	181 162·7 79·3 182 163·6 79·8 183 164·5 80·2 184 165·4 80·7 185 166·3 81·1	241 216.6 105.6 242 217.5 106.1 243 218.4 106.5 244 219.3 107.0 245 220.2 107.4
6 05.4 02 7 06.3 03 8 07.2 03 9 08.1 03 10 09.0 04	1 67 60·2 29·4 ·5 68 61·1 29·8 ·9 69 62·0 30·2	126 113·2 55·2 127 114·1 55·7 128 115·0 56·1 129 115·9 56·5 130 116·8 57·0	186     167·2     81·5       187     168·1     82·0       188     169·0     82·4       189     169·9     82·9       190     170·8     83·3	246 221·1 107·8 247 222·0 108·3 248 222·9 108·7 249 223·8 109·2 250 224·7 109·6
11 09·9 04 12 10·8 05 13 11·7 05 14 12·6 06 15 13·5 06	3 72 64·7 31·6 ·7 73 65·6 32·0 ·1 74 66·5 32·4	131 117·7 57·4 132 118·6 57·9 133 119·5 58·3 134 120·4 58·7 135 121·3 59·2	191 171·7 83·7 192 172·6 84·2 193 173·5 84·6 194 174·4 85·0 195 175·3 85·5	251 225·6 110·0 252 226·5 110·5 253 227·4 110·9 254 228·3 111·3 255 229·2 111·8
16 14·4 07 17 15·3 07 18 16·2 07 19 17·1 08 20 18·0 08	.5 77 69·2 33·8 ·9 78 70·1 34·2 ·3 79 71·0 34·6 ·8 80 71·9 35·1	136 122·2 59·6 137 123·1 60·1 138 124·0 60·5 139 124·9 60·9 140 125·8 61·4	196     176·2     85·9       197     177·1     86·4       198     178·0     86·8       199     178·9     87·2       200     179·8     87·7	256 230·1 112·2 257 231·0 112·7 258 231·9 113·1 259 232·8 113·5 260 233·7 114·0
21 18·9 09 22 19·8 09 23 20·7 10 24 21·6 10 25 22·5 11	6 82 73·7 35·9 1 83 74·6 36·4 15 84 75·5 36·8 10 85 76·4 37·3	141 126·7 61·8 142 127·6 62·2 143 128·5 62·7 144 129·4 63·1 145 130·3 63·6	201 180·7 88·1 202 181·6 88·6 203 182·5 89·0 204 183·4 89·4 205 184·3 89·9	261 234.6 114.4 262 235.5 114.9 263 236.4 115.3 264 237.3 115.7 265 238.2 116.2
26 23:4 11 27 24:3 11 28 25:2 12 29 26:1 12 30 27:0 13	·8 87 78·2 38·1 ·3 88 79·1 38·6 ·7 89 80·0 39·0 ·2 90 80·9 39·5	146 131·2 64·0 147 132·1 64·4 148 133·0 64·9 149 133·9 65·3 150 134·8 65·8	206 185·2 90·3 207 186·1 90·7 208 186·9 91·2 209 187·8 91·6 210 188·7 92·1	266 239·1 116·6 267 240·0 117·0 268 240·9 117·5 269 241·8 117·9 270 242·7 118·4
31 27.9 13 32 28.8 14 33 29.7 14 34 30.6 14 35 31.5 15	0         92         82.7         40.3           5         93         83.6         40.8           9         94         84.5         41.2           3         95         85.4         41.6	151 135.7 66.2 152 136.6 66.6 153 137.5 67.1 154 138.4 67.5 155 139.3 67.9	211 189·6 92·5 212 190·5 92·9 213 191·4 93·4 214 192·3 93·8 215 193·2 94·2	271 243 6 118 8 272 244 5 119 2 273 245 4 119 7 274 246 3 120 1 275 247 2 120 6
36 32·4 15 37 33·3 16 38 34·2 16 39 35·1 17 40 36·0 17	.2     97     87.2     42.5       .7     98     88.1     43.0       .1     99     89.0     43.4       .5     100     89.9     43.8	156 140·2 68·4 157 141·1 68·8 158 142·0 69·3 159 142·9 69·7 160 143·8 70·1	216 194·1 94·7 217 195·0 95·1 218 195·9 95·6 219 196·8 96·0 220 197·7 96·4	276 248·1 121·0 277 249·0 121·4 278 249·9 121·9 279 250·8 122·3 280 251·7 122·7
41 36.9 18 42 37.7 18 43 38.6 18 44 39.5 19 45 40.4 19	102     91.7     44.7       103     92.6     45.2       104     93.5     45.6       105     94.4     46.0	161 144.7 70.6 162 145.6 71.0 163 146.5 71.5 164 147.4 71.9 165 148.3 72.3	221 198.6 96.9 222 199.5 97.3 223 200.4 97.8 224 201.3 98.2 225 202.2 98.6	281 252·6 123·2 282 253·5 123·6 283 254·4 124·1 284 255·3 124·5 285 256·2 124·9
46 41·3 20 47 42·2 20 48 43·1 21 49 44·0 21 50 44·9 21	.6     107     96·2     46·9       .0     108     97·1     47·3       .5     109     98·0     47·8       .9     10     98·9     48·2	166 149.2 72.8 167 150.1 73.2 168 151.0 73.6 169 151.9 74.1 170 152.8 74.5	226 203·1 99·1 227 204·0 99·5 228 204·9 99·9 229 205·8 100·4 230 206·7 100·8	286 257.1 125.4 287 258.0 125.8 288 258.9 126.3 289 259.8 126.7 290 260.7 127.1
51 45·8 22 52 46·7 22 53 47·6 23 54 48·5 23 55 49·4 24	112     100·7     49·1       12     113     101·6     49·5       14     102·5     50·0       15     103·4     50·4	171 153.7 75.0 172 154.6 75.4 173 155.5 75.8 174 156.4 76.3 175 157.3 76.7	231 207·6 101·3 232 208·5 101·7 233 209·4 102·1 234 210·3 102·6 235 211·2 103·0	291 261·5 127·6 292 262·4 128·0 293 263·3 128·4 294 264·2 128·9 295 265·1 129·3
56 50·3 24 57 51·2 25 58 52·1 25 59 53·0 25 60 53·9 26	0 117 105·2 51·3 ·4 118 106·1 51·7 ·9 119 107·0 52·2	176 158·2 77·2 177 159·1 77·6 178 160·0 78·0 179 160·9 78·5 180 161·8 78·9	236 212·1 103·5 237 213·0 103·9 238 213·9 104·3 239 214·8 104·8 240 215·7 105·2	296 266.0 129.8 297 266.9 130.2 298 267.8 130.6 299 268.7 131.1 300 269.6 131.5
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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	. Lat.	Dep.	Dist.	Lat.	Dep.
1	00.9	00·5	61	54·4	27·7	121	107.8	54.9	181	161·3	82·2	241	214·7	109·4
2	01.8	00·9	62	55·2	28·1	122	108.7	55.4	182	162·2	82·6	242	215·6	109·9
3	02.7	01·4	63	56·1	28·6	123	109.6	55.8	183	163·1	83·1	243	216·5	110·3
4	03.6	01·8	64	57·0	29·1	124	110.5	56.3	184	163·9	83·5	244	217·4	110·8
5	04.5	02·3	65	57·9	29·5	125	111.4	56.7	185	164·8	84·0	245	218·3	111·2
6	05·3	02.7	66	58.8	30·0	126	112:3	57·2	186	165.7	84·4	246	219·2	111.7
7	06·2	03.2	67	59.7	30·4	127	113:2	57·7	187	166.6	84·9	247	220·1	112.1
8	07·1	03.6	68	60.6	30·9	128	114:0	58·1	188	167.5	85·4	248	221·0	112.6
9	08·0	04.1	69	61.5	31·3	129	114:9	58·6	189	168.4	85·8	249	221·9	113.0
10	08·9	04.5	70	62.4	31·8	130	115:8	59·0	190	169.3	86·3	250	222·8	113.5
11	09·8	05·0	71	63·3	32·2	131	116·7	59·5	191	170·2	86·7	251	223·6	114·0
12	10·7	05·4	72	64·2	32·7	132	117·6	59·9	192	171·1	87·2	252	224·5	114·4
13	11·6	05·9	73	65·0	33·1	133	118·5	60·4	193	172·0	87·6	253	225·4	114·9
14	12·5	06·4	74	65·9	33·6	134	119·4	60·8	194	172·9	88·1	254	226·3	115·3
15	13·4	06·8	75	66·8	34·0	135	120·3	61·3	195	173·7	88·5	255	227·2	115·8
16	14·3	07·3	76	67·7	34·5	136	121·2	61.7	196	174.6	89.0	256	228·1	116·2
17	15·1	07·7	77	68·6	35·0	137	122·1	62.2	197	175.5	89.4	257	229·0	116·7
18	16·0	08·2	78	69·5	35·4	138	123·0	62.7	198	176.4	89.9	258	229·9	117·1
19	16·9	08·6	79	70·4	35·9	139	123·8	63.1	199	177.3	90.3	259	230·8	117·6
20	17·8	09·1	80	71·3	36·3	140	124·7	63.6	200	178.2	90.8	269	231·7	118·0
21	18.7	09.5	81	72·2	36·8	141	125.6	64.0	201	179·1	91·3	261	232·6	118·5
22	19.6	10.0	82	73·1	37·2	142	126.5	64.5	202	180·0	91·7	262	233·4	118·9
23	20.5	10.4	83	74·0	37·7	143	127.4	64.9	203	180·9	92·2	263	234·3	119·4
24	21.4	10.9	84	74·8	38·1	144	128.3	65.4	204	181·8	92·6	264	235·2	119·9
25	22.3	11.3	85	75·7	33·6	145	129.2	65.8	205	182·7	93·1	265	236·1	120·3
26	23·2	11.8	86	76.6	39.0	146	130·1	66·3	206	183·5	93·5	266	237·0	120·8
27	24·1	12.3	87	77.5	39.5	147	131·0	66·7	207	184·4	94·0	267	237·9	121·2
28	24·9	12.7	88	78.4	40.0	148	131·9	67·2	208	185·3	94·4	268	238·8	121·7
29	25·8	13.2	89	79.3	40.4	149	132·8	67·6	209	186·2	94·9	269	239·7	122·1
30	26·7	13.6	90	80.2	40.9	150	133·7	68·1	210	187·1	95·3	270	240·6	122·6
31 32 33 34 35	27.6 28.5 29.4 30.3 31.2	14·1 14·5 15·0 15·4 15·9	91 92 93 94 95	81·1 82·0 82·9 83·8 84·6	41·3 41·8 42·2 42·7 43·1	151 152 153 154 155	134·5 135·4 136·3 137·2 138·1	68.6 69.0 69.5 69.9 70.4	211 212 213 214 215	188.9 189.8 190.7 191.6	95·8 96·2 96·7 97·2 97·6	271 272 273 274 275	241·5 242·4 243·2 244·1 245·0	123.0 123.5 123.9 124.4 124.8
36	32·1	16·3	96	85.5	43.6	156	139·0	70·8	216	192.5	98·1	276	245.9	125·3
37	33·0	16·8	97	86.4	44.0	157	139·9	71·3	217	193.3	98·5	277	246.8	125·8
38	33·9	17·3	98	87.3	44.5	158	140·8	71·7	218	194.2	99·0	278	247.7	126·2
39	34·7	17·7	99	88.2	44.9	159	141·7	72·2	219	195.1	99·4	279	248.6	126·7
40	35·6	18·2	100	89.1	45.4	160	142·6	72·6	220	196.0	99·9	280	249.5	127·1
41	36·5	18.6	101	90.0	45°9	161	143·5	73·1	221	196.9	100·3	281	250·4	127·6
42	37·4	19.1	102	90.9	46°3	162	144·3	73·5	222	197.8	100·8	282	251·3	128·0
43	38·3	19.5	103	91.8	46°8	163	145·2	74·0	223	198.7	101·2	283	252·2	128·5
44	39·2	20.0	104	92.7	47°2	164	146·1	74·5	224	199.6	101·7	284	253·0	128·9
45	40·1	20.4	105	93.6	47°7	165	147·0	74·9	225	200.5	102·1	285	253·9	129·4
46 47 48 49 50	41.0 41.9 42.8 43.7 44.6	20·9 21·3 21·8 22·2 22·7	106 107 108 109 110	94·4 95·3 96·2 97·1 98·0	48.6 49.0 49.5 49.9	166 167 168 169 170	147.9 148.8 149.7 150.6 151.5	75·4 75·8 76·3 76·7 77·2	226 227 228 229 230	201·4 202·3 203·1 204·0 204·9	102.6 103.1 103.5 104.0 104.4	286 287 288 289 290	254·8 255·7 256·6 257·5 258·4	129·8 130·3 130·7 131·2 131·7
51 52 53 54 55	45·4 46·3 47·2 48·1 49·0	23·2 23·6 24·1 24·5 25·0	114 115	98.9 99.8 100.7 101.6 102.5	50·4 50·8 51·3 51·8 52·2	171 172 173 174 175	152·4 153·3 154·1 155·0 155·9	77.6 78.1 78.5 79.0 79.4	231 232 233 234 235	205·8 206·7 207·6 208·5 209·4	104·9 105·3 105·8 106·2 106·7	291 292 293 294 295	259°3 260°2 261°1 262°0 262°8	132·1 132·6 133·0 133·5 133·9
56 57 58 59 60	49·9 50·8 51·7 52·6 53·5	25·4 25·9 26·3 26·8 27·2	117 118 119	103·4 104·2 105·1 106·0 106·9	52·7 53·1 53·6 54·0 54·5	176 177 178 179 180	156·8 157·7 158·6 159·5 160·4	79·9 80·4 80·8 81·3 81·7	236 237 238 239 240	210·3 211·2 212·1 213·0 213·8	107·1 107·6 108·0 108·5 109·0	296 297 298 299 300	263·7 264·6 265·5 266·4 267·3	134·4 134·8 135·3 135·7 136·2
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1 2 3 4	00·9 01·8 02·6 03·5 04·4	00·5 00·9 01·4 01·9 02·3	61 62 63 64 65	53·9 54·7 55·6 56·5 57·4	28·6 29·1 29·6 30·0 30·5	121 122 123 124 125	106·8 107·7 108·6 109·5 110·4	56.8 57.3 57.7 58.2 58.7	181 182 183 184 185	159·8 160·7 161·6 162·5 163·3	85·0 85·4 85·9 86·4 86·9	241 242 243 244 245	212·8 213·7 214·6 215·4 216·3	113·1 113·6 114·1 114·6 115·0
6 7 8 9	05·3 06·2 07·1 07·9 08·8	02·8 03·3 03·8 04·2 04·7	66 67 68 69 70	58·3 59·2 60·0 60·9 61·8	31·0 31·5 31·9 32·4 32·9	126 127 128 129 130	111·3 112·1 113·0 113·9 114·8	59·2 59·6 60·1 60·6 61·0	186 187 188 189 190	164·2 165·1 166·0 166·9 167·8	87·3 87·8 88·3 88·7 89·2	246 247 248 249 250	217·2 218·1 219·0 219·9 220·7	115·5 116·0 116·4 116·9 117·4
12 13 14	09·7 10·6 11·5 12·4 13·2	05.2 05.6 06.1 06.6 07.0	71 72 73 74 75	62.7 63.6 64.5 65.3 66.2	33·3 33·8 34·3 34·7 35·2	131 132 133 134 135	115.7 116.5 117.4 118.3 119.2	61.5 62.0 62.4 62.9 63.4	191 192 193 194 195	168.6 169.5 170.4 171.3 172.2	89.7 90.1 90.6 91.1 91.5	251 252 253 254 255	221.6 222.5 223.4 224.3 225.2	117·8 118·3 118·8 119·2 119·7
17 18	14·1 15·0 15·9 16·8 17·7	07.5 08.0 08.5 08.9 09.4	76 77 78 79 80	67:1 68:0 68:9 69:8 70:6	35·7 36·1 36·6 37·1 37·6	136 137 138 139 140	120·1 121·0 121·8 122·7 123·6	63.8 64.3 64.8 65.3 65.7	196 197 198 199 200	173·1 173·9 174·8 175·7 176·6	92·0 92·5 93·0 93·4 93·9	256 257 258 259 260	226.0 226.9 227.8 228.7 229.6	120·2 120·7 121·1 121·6 122·1
22 23 24 25	18·5 19·4 20·3 21·2 22·1	09.9 10.3 10.8 11.3 11.7	81 82 83 84 85	71·5 72·4 73·3 74·2 75·1	38.0 38.5 39.0 39.4 39.9	141 142 143 144 145	124·5 125·4 126·3 127·1 128·0	66·2 66·7 67·1 67·6 68·1	201 202 203 204 205	177.5 178.4 179.2 180.1 181.0	94·4 94·8 95·3 95·8 96·2	261 262 263 264 265	230·4 231·3 232·2 233·1 234·0	122.5 123.0 123.5 123.9 124.4
27 28 29	23·0 23·8 24·7 25·6 26·5	12·2 12·7 13·1 13·6 14·1	86 87 88 89 90	75·9 76·8 77·7 78·6 79·5	40·4 40·8 41·3 41·8 42·3	146 147 148 149 150	128·9 129·8 130·7 131·6 132·4	68.5 69.0 69.5 70.0 70.4	206 207 208 209 210	181·9 182·8 183·7 184·5 185·4	96·7 97·2 97·7 98·1 98·6	266 267 268 269 270	234 ·9 235 ·7 236 ·6 237 ·5 238 ·4	124.9 125.3 125.8 126.3 126.8
32 33 34	27·4 28·3 29·1 30·0 30·9	14.6 15.0 15.5 16.0 16.4	91 92 93 94 95	80·3 81·2 82·1 83·0 83·9	42·7 43·2 43·7 44·1 44·6	151 152 153 154 155	133·3 134·2 135·1 136·0 136·9	70·9 71·4 71·8 72·3 72·8	211 212 213 214 215	186·3 187·2 188·1 189·0 189·8	99·1 99·5 100·0 100·5 100·9	271 272 273 274 275	239·3 240·2 241·0 241·9 242·8	127·2 127·7 128·2 128·6 129·1
37 38 39 40	31·8 32·7 33·6 84·4 35·3	16.9 17.4 17.8 18.3 18.8	96 97 98 99 100	84·8 85·6 86·5 87·4 88·3	45.5 46.0 46.5 46.9	156 157 158 159 160	137·7 138·6 139·5 140·4 141·3	73·2 73·7 74·2 74·6 75·1	216 217 218 219 220	190.7 191.6 192.5 193.4 194.2	101·4 101·9 102·3 102·8 103·3	276 277 278 279 280	243·7 244·6 245·5 246·3 247·2	129.6 130.0 130.5 131.0 131.5
42 43 44	36·2 37·1 38·0 38·8 39·7	19·2 19·7 20·2 20·7 21·1	101 102 103 104 105	89·2 90·1 90·9 91·8 92·7	47.4 47.9 48.4 48.8 49.3	161 162 163 164 165	142·2 143·0 143·9 144·8 145·7	75·6 76·1 76·5 77·0 77·5	221 222 223 224 225	195·1 196·0 196·9 197·8 198·7	103.8 104.2 104.7 105.2 105.6	281 282 283 284 285	248·1 249·0 249·9 250·8 251·6	131.9 132.4 132.9 133.3 133.8
47 48 49 50	40.6 41.5 42.4 43.3 44.1	21.6 22.1 22.5 23.0 23.5	106 107 108 109 110	93.6 94.5 95.4 96.2 97.1	49.8 50.2 50.7 51.2 51.6	166 167 168 169 170	146.6 147.5 148.3 149.2 150.1	77.9 78.4 78.9 79.3 79.8	226 227 228 229 230	199.5 200.4 201.3 202.2 203.1	106.1 106.6 107.0 107.5 108.0	286 287 288 289 290	252.5 253.4 254.3 255.2 256.1	134·3 134·7 135·2 135·7 136·1
52 53 54 55	45.0 45.9 46.8 47.7 48.6	23·9 24·4 24·9 25·4 25·8	111 112 113 114 115	98·0 98·9 99·8 100·7 101·5	52·1 52·6 53·1 53·5 54·0	171 172 173 174 175	151.0 151.9 152.7 153.6 154.5	80·3 80·7 81·2 81·7 82·2	231 232 233 234 235	204.0 204.8 205.7 206.6 207.5	108·4 108·9 109·4 109·9 110·3	291 292 293 294 295	256.9 257.8 258.7 259.6 260.5	136·6 137·1 137·6 138·0 138·5
57 58 59	49·4 50·3 51·2 52·1 53·0	26·3 26·8 27·2 27·7 28·2	116 117 118 119 120	102·4 103·3 104·2 105·1 106·0	54.5 54.9 55.4 55.9 56.3	176 177 178 179 180	155·4 156·3 157·2 158·0 158·9	82.6 83.1 83.6 84.0 84.5	236 237 238 239 240	208·4 209·3 210·1 211·0 211·9	110·8 111·3 111·7 112·2 112·7	296 297 298 299 300	261·3 262·2 263·1 264·0 264·9	139.0 139.4 139.9 140.4 140.8
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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat	Dep.	Dist.	Lat.	Dep.
1	00·9	00.5	61	53·4	29.6	121	105.8	58.7	181	158·3	87.8	241	210·8	116·8
2	01·7	01.0	62	54·2	30.1	122	106.7	59.1	182	159·2	88.2	242	211·7	117·3
3	02·6	01.5	63	55·1	30.5	123	107.6	59.6	183	160·1	88.7	243	212·5	117·8
4	03·5	01.9	64	56·0	31.0	124	108.5	60.1	184	160·9	89.2	244	213·4	118·3
5	04·4	02.4	65	56·9	31.5	125	109.3	60.6	185	161·8	89.7	245	214·3	118·8
6	05·2	02:9	66	57.7	32·0	126	110·2	61·1	186	162.7	90·2	246	215·2	119·3
7	06·1	03:4	67	58.6	32·5	127	111·1	61·6	187	163.6	90·7	247	216·0	119·7
8	07·0	03:9	68	59.5	33·0	128	112·0	62·1	188	164.4	91·1	248	216·9	120·2
9	07·9	04:4	69	60.3	33·5	129	112·8	62·5	189	165.3	91·6	249	217·8	120·7
10	08·7	04:8	70	61.2	33·9	130	113·7	63·0	190	166.2	92·1	250	218·7	121·2
11	09·6	05·3	71	62·1	34·4	131	114·6	63.5	191	167·1	92.6	251	219·5	121·7
12	10·5	05·8	72	63·0	34·9	132	115·4	64.0	192	167·9	93.1	252	220·4	122·2
13	11·4	06·3	73	63·8	35·4	133	116·3	64.5	193	168·8	93.6	253	221·3	122·7
14	12·2	06·8	74	64·7	35·9	134	117·2	65.0	194	169·7	94.1	254	222·2	123·1
15	13·1	07·3	75	65·6	36·4	135	118·1	65.4	195	170·6	94.5	255	223·0	123·6
16	14.0	07·8	76	66.5	36·8	136	118.9	65.9	196	171.4	95·0	256	223·9	124·1
17	14.9	08·2	77	67.3	37·3	137	119.8	66.4	197	172.3	95·5	257	224·8	124·6
18	15.7	08·7	78	68.2	37·8	138	120.7	66.9	198	173.2	96·0	258	225·7	125·1
19	16.6	09·2	79	69.1	38·3	139	121.6	67.4	199	174.0	96·5	259	226·5	125·6
20	17.5	09·7	80	70.0	38·8	140	122.4	67.9	200	174.9	97·0	260	227·4	126·1
21	18·4	10·2	81	70·8	39·3	141	123·3	68.4	201	175·8	97·4	261	228·3	126.5
22	19·2	10·7	82	71·7	39·8	142	124·2	68.8	202	176·7	97·9	262	229·2	127.0
23	20·1	11·2	83	72·6	40·2	143	125·1	69.3	203	177·5	98·4	263	230·0	127.5
24	21·0	11·6	84	73·5	40·7	144	125·9	69.8	204	178·4	98·9	264	230·9	128.0
25	21·9	12·1	85	74·3	41·2	145	126·8	70.3	205	179·3	99·4	265	231·8	128.5
26	22.7	12.6	86	75·2	41·7	146	127.7	70·8	206	180·2	99·9	266	232·6	129.0
27	23.6	13.1	87	76·1	42·2	147	128.6	71·3	207	181·0	100·4	267	233·5	129.4
28	24.5	13.6	83	77·0	42·7	148	129.4	71·8	208	181·9	100·8	268	234·4	129.9
29	25.4	14.1	89	77·8	43·1	149	130.3	72·2	209	182·8	101·3	269	235·3	130.4
30	26.2	14.5	90	78·7	43·6	150	131.2	72·7	210	183·7	101·8	270	236·1	130.9
31	27·1	15.0	91	79.6	44·1	151	132·1	73·2	211	184.5	102·3	271	237·0	131·4
32	28·0	15.5	92	80.5	44·6	152	132·9	73·7	212	185.4	102·8	272	237·9	131·9
33	28·9	16.0	93	81.3	45·1	153	133·8	74·2	213	186.3	103·3	273	238·8	132·4
34	29·7	16.5	94	82.2	45·6	154	134·7	74·7	214	187.2	103·7	274	239·6	132·8
35	30·6	17.0	95	83.1	46·1	155	135·6	75·1	215	188.0	104·2	275	240·5	133·3
36	31.5	17.5	96	84.0	46.5	156	136·4	75·6	216	188-9	104·7	276	241·4	133·8
37	32.4	17.9	97	84.8	47.0	157	137·3	76·1	217	189-8	105·2	277	242·3	134·3
38	33.2	18.4	98	85.7	47.5	158	138·2	76·6	218	190-7	105·7	278	243·1	134·8
39	34.1	18.9	99	86.6	48.0	159	139·1	77·1	219	191-5	106·2	279	244·0	135·3
40	35.0	19.4	100	87.5	48.5	160	139·9	77·6	220	192-4	106·7	280	244·9	135·7
41	35·9	19.9	101	88·3	49.0	161	140·8	78·1	221	193·3	107·1	281	245·8	136·2
42	36·7	20.4	102	89·2	49.5	162	141·7	78·5	222	194·2	107·6	282	246·6	136·7
43	37·6	20.8	103	90·1	49.9	163	142·6	79·0	223	195·0	108·1	283	247·5	137·2
44	38·5	21.3	104	91·0	50.4	164	143·4	79·5	224	195·9	108·6	284	248·4	137·7
45	39·4	21.8	105	91·8	50.9	165	144·3	80·0	225	196·8	109·1	285	249·3	138·2
46	40·2	22·3	106	92·7	51·4	166	145·2	80.5	226	197.7	109.6	286	250·1	138·7
47	41·1	22·8	107	93·6	51·9	167	146·1	81.0	227	198.5	110.1	287	251·0	139·1
48	42·0	23·3	108	94·5	52·4	168	146·9	81.4	228	199.4	110.5	288	251·9	139·6
49	42·9	23·8	109	95·3	52·8	169	147·8	81.9	229	200.3	111.0	289	252·8	140·1
50	43·7	24·2	110	96·2	53·3	170	148·7	82.4	230	201.2	111.5	290	253·6	140·6
51	44.6	24·7	111	97·1	53·8	171	149.6	82·9	231	202.0	112·0	291	254·5	141.1
52	45.5	25·2	112	98·0	54·3	172	150.4	83·4	232	202.9	112·5	292	255·4	141.6
53	46.4	25·7	113	98·8	54·8	173	151.3	83·9	233	203.8	113·0	293	256·3	142.0
54	47.2	26·2	114	99·7	55·3	174	152.2	84·4	234	204.7	113·4	294	257·1	142.5
55	48.1	26·7	115	100·6	55·8	175	153.1	84·8	235	205.5	113·9	295	258·0	143.0
56	49.0	27·1	116	101.5	56·2	176	153.9	85·3	236	206·4	114·4	296	258.9	143.5
57	49.9	27·6	117	102.3	56·7	177	154.8	85·8	237	207·3	114·9	297	259.8	144.0
58	50.7	28·1	118	103.2	57·2	178	155.7	86·3	238	208·2	115·4	298	260.6	144.5
59	51.6	28·6	119	104.1	57·7	179	156.6	86·8	239	209·0	115·9	299	261.5	145.0
60	52.5	29·1	120	105.0	58·2	180	157.4	87·3	240	209·9	116·4	300	262.4	145.4
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6 05·2 7 06·1 8 06·9 9 07·8 10 08·7	03·0 03·5 04·0 04·5 05·0	66 57·2 67 58·0 68 58·9 69 59·8 70 60·6	33·0 33·5 34·0 34·5 35·0	126 127 128 129 130	109·1 110·0 110·9 111·7 112·6	63·0 63·5 64·0 64·5 65·0	186 187 188 189 190	161·1 161·9 162·8 163·7 164·5	93.0 93.5 94.0 94.5 95.0	246 247 248 249 250	213·0 213·9 214·8 215·6 216·5	123.0 123.5 124.0 124.5 125.0
11 09·5 12 10·4 13 11·3 14 12·1 15 13·0	05·5 06·0 06·5 07·0 07·5	71 61·5 72 62·4 73 63·2 74 64·1 75 65·0	35·5 36·0 36·5 37·0 37·5	131 132 133 134 135	113·4 114·3 115·2 116·0 116·9	65·5 66·0 66·5 67·0 67·5	191 192 193 194 195	165·4 166·3 167·1 168·0 168·9	95.5 96.0 96.5 97.0 97.5	251 252 253 254 255	217·4 218·2 219·1 220·0 220·8	125.5 126.0 126.5 127.0 127.5
16 13.9 17 14.7 18 15.6 19 16.5 20 17.3	08.5 09.0 09.5 10.0	76 65.8 77 66.7 78 67.5 79 68.4 80 69.3	38·0 38·5 39·0 39·5 40·0	136 137 138 139 140	117.8 118.6 119.5 120.4 121.2	68.0 68.5 69.0 69.5 70.0	196 197 198 199 200	169.7 170.6 171.5 172.3 173.2	98.0 98.5 99.0 99.5 100.0	256 257 258 259 260	221·7 222·6 223·4 224·3 225·2	128.0 128.5 129.0 129.5 130.0
21 18·2 22 19·1 23 19·9 24 20·8 25 21·7	10·5 11·0 11·5 12·0 12·5	81 70·1 82 71·0 83 71·9 84 72·7 85 73·6	40·5 41·0 41·5 42·0 42·5	141 142 143 144 145	122·1 123·0 123·8 124·7 125·6	70·5 71·0 71·5 72·0 72·5	201 202 203 204 205	174·1 174·9 175·8 176·7 177·5	100·5 101·5 102·0 102·5	261 262 263 264 265	226·0 226·9 227·8 228·6 229·5	130.5 131.0 131.5 132.0 132.5
26 22.5 27 23.4 28 24.2 29 25.1 30 26.0	13.0 13.5 14.0 14.5 15.0	86 74·5 87 75·3 88 76·2 89 77·1 90 77·9	43·0 43·5 44·0 44·5 45·0	146 147 148 149 150	126·4 127·3 128·2 129·0 129·9	73·0 73·5 74·0 74·5 75·0	206 207 208 209 210	178·4 179·3 180·1 181·0 181·9	103·0 103·5 104·0 104·5 105·0	266 267 268 269 270	230·4 231·2 232·1 233·0 233·8	133.0 133.5 134.0 134.5 135.0
31 26·8 32 27·7 33 28·6 34 29·4 35 30·3	15·5 16·0 16·5 17·0 17·5	91 78·8 92 79·7 93 80·5 94 81·4 95 82·3	45·5 46·0 46·5 47·0 47·5	151 152 153 154 155	130·8 131·6 132·5 133·4 134·2	75.5 76.0 76.5 77.0 77.5	211 212 213 214 215	182.7 183.6 184.5 185.3 186.2	105·5 106·0 106·5 107·0 107·5	271 272 273 274 275	234.7 235.6 236.4 237.3 238.2	135.5 136.0 136.5 137.0 137.5
36 31·2 37 32·0 38 32·9 39 33·8 40 34·6	18.5 19.0 19.5 20.0	96 83·1 97 84·0 98 84·9 99 85·7 100 86·6	48.0 48.5 49.0 49.5 50.0	156 157 158 159 160	135·1 136·0 136·8 137·7 138·6	78·0 78·5 79·0 79·5 80·0	216 217 218 219 220	187·1 187·9 188·8 189·7 190·5	108.0 108.5 109.0 109.5 110.0	276 277 278 279 280	239·0 239·9 240·8 241·6 242·5	138.0 138.5 139.0 139.5 140.0
41 35·5 42 36·4 43 37·2 44 38·1 45 39·0	20·5 21·5 22·0 22·5	101 87·5 102 88·3 103 89·2 104 90·1 105 90·9	50·5 51·0 51·5 52·0 52·5	161 162 163 164 165	139.4 140.3 141.2 142.0 142.9	80.5 81.0 81.5 82.0 82.5	221 222 223 224 225	191.4 192.3 193.1 194.0 194.9	110.5 111.0 111.5 112.0 112.5	281 282 283 284 285	243·4 244·2 245·1 246·0 246·8	140·5 141·0 141·5 142·0 142·5
46 39·8 47 40·7 48 41·6 49 42·4 50 43·3	23·0 23·5 24·0 24·5 25·0	106 91·8 107 92·7 108 93·5 109 94·4 110 95·3	53·0 53·5 54·0 54·5 55·0	166 167 168 169 170	143.8 144.6 145.5 146.4 147.2	83·5 84·0 84·5 85·0	226 227 228 229 230	195.7 196.6 197.5 198.3 199.2	113·0 113·5 114·0 114·5 115·0	286 287 288 289 290	247.7 248.5 249.4 250.3 251.1	143.0 143.5 144.0 144.5 145.0
51 44·2 52 45·0 53 45·9 54 46·8 55 47·6	25.5 26.0 26.5 27.0 27.5	111 96·1 112 97·0 113 97·9 114 98·7 115 99·6	55.5 56.0 56.5 57.0 57.5	171 172 173 174 175	148·1 149·0 149·8 150·7 151·6	85·5 86·0 86·5 87·0 87·5	231 232 233 234 235	200·1 200·9 201·8 202·6 203·5	115·5 116·0 116·5 117·0 11 <b>7·5</b>	291 292 293 294 295	252·0 252·9 253·7 254·6 255·5	145.5 146.0 146.5 147.0 147.5
56 48.5 57 49.4 58 50.2 59 51.1 60 52.0	28.0 28.5 29.0 29.5 30.0	116 100·5 117 101·3 118 102·2 119 103·1 120 103·9	58.0 58.5 59.0 59.5 60.0	176 177 178 179 180	152·4 153·3 154·2 155·0 155·9	88.0 88.5 89.0 89.5 90.0	236 237 238 239 240	204·4 205·2 206·1 207·0 207·8	118·0 118·5 119·0 119·5 120·0	296 297 298 299 300	256·3 257·2 258·1 258·9 259·8	148·0 148·5 149·0 149·5 150·0
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6 05·1 7 06·0 8 06·9 9 07·7 10 08·6	03·1 03·6 04·1 04·6 05·2	66 56.6 67 57.4 68 58.3 69 59.1 70 60.0	34.0 34.5 35.0 35.5 36.1	127 10 128 10 129 11	8:0 64:9 8:9 65:4 9:7 65:9 0:6 66:4 1:4 67:0	186 187 188 189 190	159·4 160·3 161·1 162·0 162·9	95.8 96.3 96.8 97.3 97.9	246 247 248 249 250	210·9 211·7 212·6 213·4 214·3	126.7 127.2 127.7 128.2 128.8
11 09·4 12 10·3 13 11·1 14 12·0 15 12·9	05·7 06·2 06·7 07·2 07·7	71 60°9 72 61°7 73 62°6 74 63°4 75 64°3	36·6 37·1 37·6 38·1 38·6	132 11 133 11 134 11	2·3 67·5 3·1 68·0 4·0 68·5 4·9 69·0 5·7 69·5	191 192 193 194 195	163·7 164·6 165·4 166·3 167·1	98·4 98·9 99·4 99·9 100·4	251 252 253 254 255	215·1 216·0 216·9 217·7 218·6	129:8 129:8 130:3 130:8 131:3
16 13.7 17 14.6 18 15.4 19 16.3 20 17.1	08·2 08·8 09·3 09·8 10·3	76 65·1 77 66·0 78 66·9 79 67·7 80 68·6	39·1 39·7 40·2 40·7 41·2	137 11 138 11 139 11	6.6 70.0 7.4 70.6 8.3 71.1 9.1 71.6 0.0 72.1	196 197 198 199 200	168.0 168.9 169.7 170.6 171.4	100·9 101·5 102·0 102·5 103·0	256 257 258 259 260	219·4 220·3 221·1 222·0 222·9	131 ·8 132 ·4 132 ·9 133 ·4 133 ·9
21 18·0 22 18·9 23 19·7 24 20·6 25 21·4	10·8 11·3 11·8 12·4 12·9	81 69·4 82 70·3 83 71·1 84 72·0 85 72·9	41·7 42·2 42·7 43·3 43·8	142 12 143 12 144 12	00-9 72-6 21-7 73-1 22-6 73-7 23-4 74-2 24-3 74-7	201 202 203 204 205	172·3 173·1 174·0 174·9 175·7	103.5 104.0 104.6 105.1 105.6	261 262 263 264 265	223·7 224·6 225·4 226·3 227·1	134 4 134 5 135 6 136 6 136 5
26 22·3 27 23·1 28 24·0 29 24·9 30 25·7	13·4 13·9 14·4 14·9 15·5	86 73·7 87 74·6 88 75·4 89 76·3 90 77·1	44·3 44·8 45·3 45·8 46·4	147 12 148 12 149 12	5·1 75·2 6·0 75·7 26·9 76·2 27·7 76·7 28·6 77·3	206 207 208 209 210	176.6 177.4 178.3 179.1 180.0	106·1 106·6 107·1 107·6 108·2	266 267 268 269 270	228·0 228·9 229·7 230·6 231·4	137 % 138 % 138 % 139 %
31 26·6 32 27·4 33 28·3 34 29·1 35 30·0	16.0 16.5 17.0 17.5 18.0	91 78·0 92 78·9 93 79·7 94 80·6 95 81·4	46.9 47.4 47.9 48.4 48.9	152 13 153 13 154 13	9.4 77.8 80.3 78.3 81.1 78.8 82.0 79.3 82.9 79.8	211 212 213 214 215	180·9 181·7 182·6 183·4 184·3	108.7 109.2 109.7 110.2 110.7	271 272 273 274 275	232·3 233·1 234·0 234·9 235·7	139 °C 140 °C 141 °C 141 °C
36 30·9 37 31·7 38 32·6 39 33·4 40 34·3	18.5 19.1 19.6 20.1 20.6	96 82°3 97 83°1 98 84°0 99 84°9 100 85°7	49.4 50.0 50.5 51.0 51.5	157 13 158 13 159 13	3.7 80.3 4.6 80.9 5.4 81.4 6.3 81.9 7.1 82.4	216 217 218 219 220	185·1 186·0 186·9 187·7 188·6	111·2 111·8 112·3 112·8 113·3	276 277 278 279 280	236.6 237.4 238.3 239.1 240.0	142 · 142 · 143 · 144 · 144 · 1
41 35·1 42 36·0 43 36·9 44 37·7 45 38·6	21·1 21·6 22·1 22·7 23·2	101 86.6 102 87.4 103 88.3 104 89.1 105 90.0	52.5 53.0 53.6 54.1	162 13 163 13 164 14	8.0 82.9 8.9 83.4 9.7 84.0 0.6 84.5 1.4 85.0	221 222 223 224 225	189.4 190.3 191.1 192.0 192.9	113·8 114·3 114·9 115·4 115·9	281 282 283 284 285	240·9 241·7 242·6 243·4 244·3	144 · 145 · 145 · 146 · 146 · 146 · 146 · 1
46 39·4 47 40·3 48 41·1 49 42·0 50 42·9	23·7 24·2 24·7 25·2 25·8	106 90.9 107 91.7 108 92.6 109 93.4 110 94.3	54.6 55.1 55.6 56.1 56.7	167 14 168 14 169 14	2°3 85°5 3°1 86°0 4°0 86°5 4°9 87°0 5°7 87°6	226 227 228 229 230	193.7 194.6 195.4 196.3 197.1	116·4 116·9 117·4 117·9 118·5	286 287 288 289 290	245·1 246·0 246·9 247·7 248·6	147:3 147:3 148:3 148:3 149:4
51 43.7 52 44.6 53 45.4 54 46.3 55 47.1	26·3 26·8 27·3 27·8 28·3	111 95·1 112 96·0 113 96·9 114 97·7 115 98·6	57·2 57·7 58·2 58·7 59·2	172 14 173 14 174 14	6.6 88.1 7.4 88.6 8.3 89.1 9.1 89.6 60.0 90.1	231 232 233 234 235	198.0 198.9 199.7 200.6 201.4	119.0 119.5 120.0 120.5 121.0	291 292 293 294 295	249·4 250·3 251·2 252·0 252·9	149 % 150 % 150 % 151 %
56 48.0 57 48.9 58 49.7 59 50.6 60 51.4	28·8 29·4 29·9 30·4 30·9	116 99.4 117 100.3 118 101.1 119 102.0 120 102.9	59·7 60·3 60·8 61·3 61·8	177 15 178 15 179 15	60.9 90.6 1.7 91.2 2.6 91.7 3.4 92.2 4.3 92.7	236 237 238 239 240	202·3 203·1 204·0 204·9 205·7	121·5 122·1 122·6 123·1 123·6	296 297 298 299 300	253·7 254·6 255·4 256·3 257·1	152 to 153 to 154 to 15
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	0·5 61		32.3	121 122	102.6	64.1	181	153.5	95.9	241	204.4	127.7
	1.6 63		32·9 33·4	123	103·5 104·3	65.5	182 183	154·3 155·2	96·4 97·0	242 243	205·2 206·1	128·2 128·8
4 03.4 0	2.1 64	54.3	33.9	124	105.2	65.7	184	156.0	97.5	244	206.9	129.3
	2.6 65		34.4	125	106.0	66.2	185	156.9	98.0	245	207.8	129.8
	3·2 66 3·7 67		35·5	126 127	106·9 107·7	66.8	186 187	157·7 158·6	98.6	246 247	208·6 209·5	130·4 130·9
8 06.8 0	4.2 68	57.7	36.0	128	108.6	67.8	188	159.4	99.6	248	210.3	131.4
	4·8 69 5·3 70		36·6 37·1	129 130	109·4 110·2	68·4 68·9	189 190	160·3 161·1	100·2 100·7	249 250	211·2 212·0	131·9 132·5
	5.8 71		37.6	131	111.1	69.4	191	162.0	101.2	251	212.9	133.0
12 10.2 0	6.4 72	61.1	38.2	132	111.9	69.9	192	162.8	101.7	252	213.7	133.5
	6·9 73 7·4 74		38·7 39·2	133 134	112·8 113·6	70·5 71·0	193 194	163·7 164·5	102·3 102·8	253 254	214·6 215·4	134·1 134·6
	7.9 75		39.7	135	114.2	71.5	195	165.4	103.3	255	216.3	135.1
16 13.6 0	3.5 76		40.3	136	115.3	72.1	196	166.2	103-9	256	217.1	135.7
17 14·4 09 18 15·3 09	9·0   77 9·5   78		40·8 41·3	137 138	116.2	72·6 73·1	197 198	167·1 167·9	104·4 104·9	257 258	217·9 218·8	136·2 136·7
19 16.1 10	0.1 79	67.0	41.9	139	117·0 117·9	73.7	199	168.8	105.2	259	219.6	137.2
	0.6 80		42.4	140	118.7	74.2	200	169.6	106.0	260	220.5	137.8
	1·1   81 1·7   82		42·9 43·5	141 142	119·6 120·4	74.7 75.2	201	170·5 171·3	106.5	261 262	221·3 222·2	138·3 138·8
23 19.5 1	2.2 83	70.4	44.0	143	121.3	75.8	203	172.2	107·0 107·6	263	223.0	139.4
	2·7 84 3·2 85		44·5 45·0	144 145	122·1 123·0	76·3 76·8	204	173·0 173·8	108·1 108·6	264 265	223·9 224·7	139·9 140·4
	3.8 86		45.6	146	123.8	77.4	206	174.7	109.2	266	225.6	141.0
	4.3 87		46.1	147	124.7	77.9	207	175.5	109.7	267	226.4	141.5
	4·8 88 5·4 89		46.6	148 149	125·5 126·4	78·4 79·0	208	176.4	110.2	268 269	227·3 228·1	142.0 142.5
	5.9 90		47·2 47·7	150	127.2	79.5	210	177·2 178·1	110·8 111·3	270	229.0	142 5
	6.4 91		48.2	151	128.1	80.0	211	178.9	111.8	271	229.8	143.6
	7·0   92 7·5   93		48.8	152 153	128·9 129·8	80·5 81·1	212 213	179·8 180·6	112·3 112·9	272 273	230·7 231·5	144·1 144·7
	7·5   93 8·0   94		49.8	154	130.6	81.6	214	181.2	113.4	274	232.4	145.5
	8.5 95		50.3	155	131.4	82.1	215	182.3	113.9	275	233.2	145.7
	9·1 96 9·6 97		50.9	156 157	132.3	82.7	216	183.2	114.5	276 277	234·1 234·9	146·3 146·8
	9.6   97 0.1   98		51·4 51·9	158	133·1 134·0	83·2 83·7	217	184·0 184·9	115·0 115·5	278	235.8	147.3
	0.7 99		52.2	159 160	134.8	84.3	219 220	185.7	116.1	279 280	236·6 237·5	147·3 147·8 148·4
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		53.0	161	135·7 136·5	84·8 85·3	221	186·6 187·4	116.6	281	238.3	148.9
42 35.6 2	2.3   102	86.5	54.1	162	137.4	85.8	222	188.3	117·1 117·6	282	239.1	149.4
43 36.5 2	2.8   103		54.6	163 164	138.2	86.4	223 224	189·1 190·0	118·2 118·7	283 284	240·0 240·8	150·0 150·5
	3·3   104 3·8   105		55·6	165	139·9	86·9 87·4	224	190.8	119.2	285	241.7	151.0
46 39.0 2	4.4 106	89.9	56.2	166	140.8	88.0	226	191.7	119.8	286	242.5	151.6
47 39.9 2	4.9   107	90.7	56.7	167	141.6 142.5	88.5	227 228	192.5	120·3 120·8	287 288	243·4 244·2	152·1 152·6
	5·4   108 6·0   109		57·2 57·8	168 169	143.3	89.6	229	193·4 194·2	121.4	289	245.1	153.1
	6.5 110		58.3	170	144.2	90.1	230	195.1	121.9	290	245.9	153.7
	7.0 111		58.8	171 172	145·0 145·9	90.6	231 232	195·9 196·7	122·4 122·9	291 292	246·8 247·6	154·2 154·7
	$   \begin{array}{c cccc}     7.6 & 112 \\     8.1 & 113   \end{array} $		59·4 59·9	173	146.7	91.7	232	196.4	123.5	293	248.5	155.3
54 45.8 2	8.6 114	96.7	60.4	174	147.6	92.2	234	198.4	124.0	294 295	249·3 250·2	155.8
	9.1 115		60.9	175	148.4	92.7	235	199.3	124.5			156.3
	$   \begin{array}{c c}     9.7 & 116 \\     0.2 & 117   \end{array} $		61·5 62·0	176 177	149·3 150·1	93.8 93.3	236 237	200.1	125·1 125·6	296 297	251·0 251·9	156·9 157·4
58 49.2 3	0.7   118	100.1	62.5	178	151.0	94.3	238	201.8	126.1	298	252.7	157.9
		100.9	63.6	179 180	151.8 152.6	94·9 95·4	239 240	202·7 203·5	126·7 127·2	299 300	253.6 254.4	158·4 159·0
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1 00·8 00·5	61 51·2 33·2	121 101·5 65·9	181 151·8 98·6	241 202·1 131·3
2 01·7 01·1	62 52·0 33·8	122 102·3 66·4	182 152·6 99·1	242 203·0 131·8
3 02·5 01·6	63 52·8 34·3	123 103·2 67·0	183 153·5 99·7	243 203·8 132·3
4 03·4 02·2	64 53·7 34·9	124 104·0 67·5	184 154·3 100·2	244 204·6 132·9
5 04·2 02·7	65 54·5 35·4	125 104·8 68·1	185 155·2 100·8	245 205·5 133·4
6 05:0 03:3	66 55:4 35:9	126 105·7 68·6	186 156·0 101·3	246 206·3 134·0
7 05:9 03:8	67 56:2 36:5	127 106·5 69·2	187 156·8 101·8	247 207·2 134·5
8 06:7 04:4	68 57:0 37:0	128 107·3 69·7	188 157·7 102·4	248 208·0 135·1
9 07:5 04:9	69 57:9 37:6	129 108·2 70·3	189 158·5 102·9	249 208·8 135·6
10 08:4 05:4	70 58:7 38:1	130 109·0 70·8	190 159·3 103·5	250 209·7 136·2
11 09·2 06·0	71 59·5 38·7	131 109·9 71·3	191 160·2 104·0	251 210·5 136·7
12 10·1 06·5	72 60·4 39·2	132 110·7 71·9	192 161·0 104·6	252 211·3 137·2
13 10·9 07·1	73 61·2 39·8	133 111·5 72·4	193 161·9 105·1	253 212·2 137·8
14 11·7 07·6	74 62·1 40·3	134 112·4 73·0	194 162·7 105·7	254 213·0 138·3
15 12·6 08·2	75 62·9 40·8	135 113·2 73·5	195 163·5 106·2	255 213·9 138·9
16 13·4 08·7	76 63.7 41.4	136 114·1 74·1	196 164·4 106·7	256 214·7 139·4
17 14·3 09·3	77 64.6 41.9	137 114·9 74·6	197 165·2 107·3	257 215·5 140·0
18 15·1 09·8	78 65.4 42.5	138 115·7 75·2	198 166·1 107·8	258 216·4 140·5
19 15·9 10·3	79 66.3 43.0	139 116·6 75·7	199 166·9 108·4	259 217·2 141·1
20 16·8 10·9	80 67.1 43.6	140 117·4 76·2	200 167·7 108·9	260 218·1 141·6
21 17·6 11·4	81 67.9 44.1	141 118·3 76·8	201 168·6 109·5	261 218-9 142-2
22 18·5 12·0	82 68.8 44.7	142 119·1 77·3	202 169·4 110·0	262 219-7 142-7
23 19·3 12·5	83 69.6 45.2	143 119·9 77·9	203 170·3 110·6	263 220-6 143-2
24 20·1 13·1	84 70.4 45.7	144 120·8 78·4	204 171·1 111·1	264 221-4 143-8
25 21·0 13·6	85 71.3 46.3	145 121·6 79·0	205 171·9 111·7	265 222-2 144-3
26 21.8 14.2	86 72:1 46:8	146 122·4 79·5	206 172·8 112·2	266 223·1 144·9
27 22.6 14.7	87 73:0 47:4	147 123·3 80·1	207 173·6 112·7	267 223·9 145·4
28 23.5 15.2	88 73:8 47:9	148 124·1 80·6	208 174·4 113·3	268 224·8 146·0
29 24.3 15.8	89 74:6 48:5	149 125·0 81·2	209 175·3 113·8	269 225·6 146·5
30 25.2 16.3	90 75:5 49:0	150 125·8 81·7	210 176·1 114·4	270 226·4 147·1
31 26·0 16·9 · 32 26·8 17·4 33 27·7 18·0 34 28·5 18·5 35 29·4 19·1	91 76·3 49·6	151 126·6 82·2	211 177.0 114.9	271 227·3 147·6
	92 77·2 50·1	152 127·5 82·8	212 177.8 115.5	272 228·1 148·1
	93 78·0 50·7	153 128·3 83·3	213 178.6 116.0	273 229·0 148·7
	94 78·8 51·2	154 129·2 83·9	214 179.5 116.6	274 229·8 149·2
	95 79·7 51·7	155 130·0 84·4	215 180.3 117.1	275 230·6 149·8
36 30·2 19·6	96 80·5 52·3	156 130·8 85·0	216 181·2 117·6	276 231.5 150.3
37 31·0 20·2	97 81·4 52·8	157 131·7 85·5	217 182·0 118·2	277 232.3 150.9
38 31·9 20·7	98 82·2 53·4	158 132·5 86·1	218 182·8 118·7	278 233.2 151.4
39 32·7 21·2	99 83·0 53·9	159 133·3 86·6	219 183·7 119·3	279 234.0 152.0
40 33·5 21·8	100 83·9 54·5	160 134·2 87·1	220 184·5 119·8	280 234.8 152.5
41 34·4 22·3	101 84·7 55·0	161 135·0 87·7	221 185°3 120°4	281 235·7 153·0
42 35·2 22·9	102 85·5 55·6	162 135·9 88·2	222 186°2 120°9	282 236·5 153·6
43 36·1 23·4	103 86·4 56·1	163 136·7 88·8	223 187°0 121°5	283 237·3 154·1
44 36·9 24·0	104 87·2 56·6	164 137·5 89·3	224 187°9 122°0	284 238·2 154·7
45 37·7 24·5	105 88·1 57·2	165 138·4 89·9	225 188°7 122°5	285 239·0 155·2
46 38·6 25·1	106 88·9 57·7	166 139·2 90·4	226 189·5 123·1	286 239·9 155·8
47 39·4 25·6	107 89·7 58·3	167 140·1 91·0	227 190·4 123·6	287 240·7 156·3
48 40·3 26·1	108 90·6 58·8	168 140·9 91·5	228 191·2 124·2	288 241·5 156·9
49 41·1 26·7	109 91·4 59·4	169 141·7 92·0	229 192·1 124·7	289 242·4 157·4
50 41·9 27·2	110 92·3 59·9	170 142·6 92·6	230 192·9 125·3	290 243·2 157·9
51 42·8 27·8	111 93·1 60·5	171 143.4 93.1	231 193·7 125·8	291 244·1 158·5
52 43·6 28·3	112 93·9 61·0	172 144.3 93.7	232 194·6 126·4	292 244·9 159·0
53 44·4 28·9	113 94·8 61·5	173 145.1 94.2	233 195·4 126·9	293 245·7 159·6
54 45·3 29·4	114 95·6 62·1	174 145.9 94.8	234 196·2 127·4	294 246·6 160·1
55 46·1 30·0	115 96·4 62·6	175 146.8 95.3	235 197·1 128·0	295 247·4 160·7
56 47.0 30.5	116 97·3 63·2	176 147.6 95.9	236 197·9 128·5	296 248·2 161·2
57 47.8 31.0	117 98·1 63·7	177 148.4 96.4	237 198·8 129·1	297 249·1 161·8
58 48.6 31.6	118 99·0 64·3	178 149.3 96.9	238 199·6 129·6	298 249·9 162·3
59 49.5 32.1	119 99·8 64·8	179 150.1 97.5	239 200·4 130·2	299 250·8 162·8
60 50.3 32.7	120 100·6 65·4	180 151.0 98.0	240 201·3 130·7	300 251·6 163·4
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2 01°7 01°1	62 51.4 34.7	122 101·1 68·2	182 150·9 101·8	242 200·6 135·3
3 02°5 01°7	63 52.2 35.2	123 102·0 68·8	183 151·7 102·3	243 201·5 135·9
4 03°3 02°2	64 53.1 35.8	124 102·8 69·3	184 152·5 102·9	244 202·3 136·4
5 04°1 02°8	65 53.9 36.3	125 103·6 69·9	185 153·4 103·5	245 203·1 137·0
6 05.0 03.4	66 54.7 36.9	126 104·5 70·5	186 154·2 104·0	246 203·9 137·6
7 05.8 03.9	67 55.5 37.5	127 105·3 71·0	187 155·0 104·6	247 204·8 138·1
8 06.6 04.5	68 56.4 38.0	128 106·1 71·6	188 155·9 105·1	248 205·6 138·7
9 07.5 05.0	69 57.2 38.6	129 106·9 72·1	189 156·7 105·7	249 206·4 139·2
10 08.3 05.6	70 58.0 39.1	130 107·8 72·7	190 157·5 106·2	250 207·3 139·8
11 09·1 06·2	71 58·9 39·7	131 108·6 73·8	191 158·3 106·8	251 208·1 140·4
12 09·9 06·7	72 59·7 40·3	132 109·4 73·8	192 159·2 107·4	252 208·9 140·9
13 10·8 07·3	73 60·5 40·8	133 110·3 74·4	193 160·0 107·9	253 209·7 141·5
14 11·6 07·8	74 61·3 41·4	134 111·1 74·9	194 160·8 108·5	254 210·6 142·0
15 12·4 08·4	75 62·2 41·9	135 111·9 75·5	195 161·7 109·0	255 211·4 142·6
16 13·3 08·9	76 63.0 42.5	136 112.7 76.1	196 162·5 109·6	256 212·2 143·2
17 14·1 09·5	77 63.8 43.1	137 113.6 76.6	197 163·3 110·2	257 213·1 143·7
18 14·9 10·1	78 64.7 43.6	138 114.4 77.2	198 164·1 110·7	258 213·9 144·3
19 15·8 10·6	79 65.5 44.2	139 115.2 77.7	199 165·0 111·3	259 214·7 144·8
20 16·6 11·2	80 66.3 44.7	140 116.1 78.3	200 165·8 111·8	260 215·5 145·4
21 17.4 11.7	81 67·2 45·3	141 116.9 78.8	201 166·6 112·4	261 216·4 145·9
22 18.2 12.3	82 68·0 45·9	142 117.7 79.4	202 167·5 113·0	262 217·2 146·5
23 19.1 12.9	83 68·8 46·4	143 118.6 80.0	203 168·3 113·5	263 218·0 147·1
24 19.9 13.4	84 69·6 47·0	144 119.4 80.5	204 169·1 114·1	264 218·9 147·6
25 20.7 14.0	85 70·5 47·5	145 120.2 81.1	205 170·0 114·6	265 219·7 148·2
26 21.6 14.5	86 71:3 48:1	146 121.0 81.6	206 170·8 115·2	266 220.5 148.7
27 22.4 15.1	87 72:1 48:6	147 121.9 82.2	207 171·6 115·8	267 221.4 149.3
28 23.2 15.7	88 73:0 49:2	148 122.7 82.8	208 172·4 116·3	268 222.2 149.9
29 24.0 16.2	89 73:8 49:8	149 123.5 83.3	209 173·3 116·9	269 223.0 150.4
30 24.9 16.8	90 74:6 50:3	150 124.4 83.9	210 174·1 117·4	270 223.8 151.0
31 25·7 17·3	91 75·4 50·9	151 125·2 84·4	211 174*9 118*0	271 224.7 151.5
32 26·5 17·9	92 76·3 51·4	152 126·0 85·0	212 175*8 118*5	272 225.5 152.1
33 27·4 18·5	93 77·1 52·0	153 126·8 85·6	213 176*6 119*1	273 226.3 152.7
34 28·2 19·0	94 77·9 52·6	154 127·7 86·1	214 177*4 119*7	274 227.2 153.2
35 29·0 19·6	95 78·8 53·1	155 128·5 86·7	215 178*2 120*2	275 228.0 153.8
36 29·8 20·1	96 79.6 53.7	156 129°3 87°2	216 179·1 120·8	276 228·8 154·3
37 30·7 20·7	97 80.4 54.2	157 130°2 87°8	217 179·9 121·3	277 229·6 154·9
38 31·5 21·2	98 81.2 54.8	158 131°0 88°4	218 180·7 121·9	278 230·5 155·5
39 32·3 21·8	99 82.1 55.4	159 131°8 88°9	219 181·6 122·5	279 231·3 156·0
40 33·2 22·4	100 82.9 55.9	160 132°6 89°5	220 182·4 123·0	280 232·1 156·6
41 34.0 22.9	101 83.7 56.5	161 133·5 90·0	221 183·2 123·6	281 233·0 157·1
42 34.8 23.5	102 84.6 57.0	162 134·3 90·6	222 184·0 124·1	282 233·8 157·7
43 35.6 24.0	103 85.4 57.6	163 135·1 91·1	223 184·9 124·7	283 234·6 158·3
44 36.5 24.6	104 86.2 58.2	164 136·0 91·7	224 185·7 125·3	284 235·4 158·8
45 37.3 25.2	105 87.0 58.7	165 136·8 92·3	225 186·5 125·8	285 236·3 159·4
46 38·1 25·7	106 87-9 59-3	166 137·6 92·8	226 187·4 126·4	286 237 1 159 9
47 39·0 26·3	107 88-7 59-8	167 138·4 93·4	227 188·2 126·9	287 237 9 160 5
48 39·8 26·8	108 89-5 60-4	168 139·3 93·9	228 189·0 127·5	288 238 8 161 0
49 40·6 27·4	109 90-4 61-0	169 140·1 94·5	229 189·8 128·1	289 239 6 161 6
50 41·5 28·0	110 91-2 61-5	170 140·9 95·1	230 190·7 128·6	290 240 4 162 2
51 42·3 28·5	111 92·0 62·1	171 141'8 95'6	231 191·5 129·2	291 241·2 162·7
52 43·1 29·1	112 92·9 62·6	172 142'6 96'2	232 192·3 129·7	292 242·1 163·3
53 43·9 29·6	113 93·7 63·2	173 143'4 96'7	233 193·2 130·3	293 242·9 163·8
54 44·8 30·2	114 94·5 63·7	174 144'3 97'3	234 194·0 130·9	294 243·7 164·4
55 45·6 30·8	115 95·3 64·3	175 145'1 97'9	235 194·8 131·4	295 244·6 165·0
56 46.4 31.3	116 96·2 64·9	176 145·9 98·4	236 195.7 132.0	296 245.4 165.5
57 47.3 31.9	117 97·0 65·4	177 146·7 99·0	237 196.5 132.5	297 246.2 166.1
53 48.1 32.4	118 97·8 66·0	178 147·6 99·5	238 197.3 133.1	298 247.1 166.6
59 48.9 33.0	119 98·7 66·5	179 148·4 100·1	239 198.1 133.6	299 247.9 167.2
60 49.7 33.6	120 99·5 67·1	180 149·2 100·7	240 199.0 134.2	300 248.7 167.8
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1 00·8 00·6	61 50·0 35·0	121 99·1 69·4	181 148'3 103'8	241 197·4 138·2
2 01·6 01·1	62 50·8 35·6	122 99·9 70·0	182 149'1 104'4	242 198·2 138·8
3 02·5 01·7	63 51·6 36·1	123 100·8 70·5	183 149'9 105'0	243 199·1 139·4
4 03·3 02·3	64 52·4 36·7	124 101·6 71·1	184 150'7 105'5	244 199·9 140·0
5 04·1 02·9	65 53·2 37·3	125 102·4 71·7	185 151'5 106'1	245 200·7 140·5
6 04·9 03·4	66 54·1 37·9	126 103·2 72·3	186 152·4 106·7	246 201·5 141·1
7 05·7 04·0	67 54·9 38·4	127 104·0 72·8	187 153·2 107·3	247 202·3 141·7
8 06·6 04·6	68 55·7 39·0	128 104·9 73·4	188 154·0 107·8	248 203·1 142·2
9 07·4 05·2	69 56·5 39·6	129 105·7 74·0	189 154·8 108·4	249 204·0 142·8
10 08·2 05·7	70 57·3 40·2	130 106·5 74·6	190 155·6 109·0	250 204·8 143·4
11 09·0 06·3	71 58·2 40·7	131 107·3 75·1	191 156·5 109·6	251 205·6 144·0
12 09·8 06·9	72 59·0 41·3	132 108·1 75·7	192 157·3 110·1	252 206·4 144·5
13 10·6 07·5	73 59·8 41·9	133 108·9 76·3	193 158·1 110·7	253 207·2 145·1
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15 12·3 08·6	75 61·4 43·0	135 110·6 77·4	195 159·7 111·8	255 208·9 146·3
16 13·1 09·2	76 62·3 43·6	136 111.4 78.0	196 160·6 112·4	256 209·7 146·8
17 13·9 09·8	77 63·1 44·2	137 112.2 78.6	197 161·4 113·0	257 210·5 147·4
18 14·7 10·3	78 63·9 44·7	138 113.0 79.2	198 162·2 113·6	258 211·3 148·0
19 15·6 10·9	79 64·7 45·3	139 113.9 79.7	199 163·0 114·1	259 212·2 148·6
20 16·4 11·5	80 65·5 45·9	140 114.7 80.3	200 163·8 114·7	260 213·0 149·1
21 17·2 12·0	81 66:4 46:5	141 115:5 80:9	201 164.6 115.3	261 213·8 149·7
22 18·0 12·6	82 67:2 47:0	142 116:3 81:4	202 165.5 115.9	262 214·6 150·3
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24 19·7 13·8	84 68:8 48:2	144 118:0 82:6	204 167.1 117.0	264 216·3 151·4
- 25 20·5 14·3	85 69:6 48:8	145 118:8 83:2	205 167.9 117.6	265 217·1 152·0
26 21·3 14·9	86 70.4 49.3	146 119.6 83.7	206 168.7 118.2	266 217 9 152 6
27 22·1 15·5	87 71.3 49.9	147 120.4 84.3	207 169.6 118.7	267 218 7 153 1
28 22·9 16·1	88 72.1 50.5	148 121.2 84.9	208 170.4 119.3	268 219 5 153 7
29 23·8 16·6	89 72.9 51.0	149 122.1 85.5	209 171.2 119.9	269 220 4 154 3
30 24·6 17·2	90 73.7 51.6	150 122.9 86.0	210 172.0 120.5	270 221 2 154 9
31 25.4 17.8	91 74·5 52·2	151 123.7 86.6	211 172*8 121*0	271 222.0 155.4
32 26.2 18.4	92 75·4 52·8	152 124.5 87.2	212 173*7 121*6	272 222.8 156.0
33 27.0 18.9	93 76·2 53·3	153 125.3 87.8	213 174*5 122*2	273 223.6 156.6
34 27.9 19.5	94 77·0 53·9	154 126.1 88.3	214 175*3 122*7	274 224.4 157.2
35 28.7 20.1	95 77·8 54·5	155 127.0 88.9	215 176*1 123*3	275 225.3 157.7
36 29·5 20·6	96 78.6 55.1	156 127.8 89.5	216 176.9 123.9	276 226·1 158·3
37 30·3 21·2	97 79.5 55.6	157 128.6 90.1	217 177.8 124.5	277 226·9 158·9
38 31·1 21·8	98 80.3 56.2	158 129.4 90.6	218 178.6 125.0	278 227·7 159·5
39 31·9 22·4	99 81.1 56.8	159 130.2 91.2	219 179.4 125.6	279 228·5 160·0
40 32·8 22·9	100 81.9 57.4	160 131.1 91.8	220 180.2 126.2	280 229·4 160·6
41 33·6 23·5	101 82.7 57.9	161 131.9 92.3	221 181·0 126·8	281 230·2 161·2
42 34·4 24·1	102 83.6 58.5	162 132.7 92.9	222 181·9 127·3	282 231·0 161·7
43 35·2 24·7	103 84.4 59.1	163 133.5 93.5	223 182·7 127·9	283 231·8 162·3
44 36·0 25·2	104 85.2 59.7	164 134.3 94.1	224 183·5 128·5	284 232·6 162·9
45 36·9 25·8	105 86.0 60.2	165 135.2 94.6	225 184·3 129·1	285 233·5 163·5
46 37.7 26.4	106 86*8 60*8	166 136.0 95.2	226 185·1 129·6	286 234·3 164·0
47 38.5 27.0	107 87*6 61*4	167 136.8 95.8	227 185·9 130·2	287 235·1 164·6
48 39.3 27.5	108 88*5 61*9	168 137.6 96.4	228 186·8 130·8	288 235·9 165·2
49 40.1 28.1	109 89*3 62*5	169 138.4 96.9	229 187·6 131·3	289 236·7 165·8
50 41.0 28.7	110 90*1 63*1	170 139.3 97.5	230 188·4 131·9	290 237·6 166·3
51 41.8 29.3	111 90°9 63°7	171 140·1 98·1	231 189°2 132°5	291 238·4 166·9
52 42.6 29.8	112 91°7 64°2	172 140·9 98·7	232 190°0 133°1	292 239·2 167·5
53 43.4 30.4	113 92°6 64°8	173 141·7 99·2	233 190°9 133°6	293 240·0 168·1
54 44.2 31.0	114 93°4 65°4	174 142·5 99·8	234 191°7 134°2	294 240·8 168·6
55 45.1 31.5	115 94°2 66°0	175 143·4 100·4	235 192°5 134°8	295 241·6 169·2
56 45.9 32.1	116 95.0 66.5	176 144·2 100·9	236 193'3 135'4	296 242·5 169·8
57 46.7 32.7	117 95.8 67.1	177 145·0 101·5	237 194'1 135'9	297 243·3 170·4
58 47.5 33.3	118 96.7 67.7	178 145·8 102·1	238 195'0 136'5	298 244·1 170·9
59 48.3 33.8	119 97.5 68.3	179 146·6 102·7	239 195'8 137'1	299 244·9 171·5
60 49.1 34.4	120 98.3 68.8	180 147·4 103·2	240 196'6 137'7	300 245·7 172·1
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6 04·9 7 05·7 8 06·5 9 07·3 10 08·1	03·5 04·1 04·7 05·3 05·9	66 67 68 69 70	53·4 54·2 55·0 55·8 56·6	38·8 39·4 40·0 40·6 41·1	126 127 128 129 130	101·9 102·7 103·6 104·4 105·2	74·1 74·6 75·2 75·8 76·4	186 187 188 189 190	150·5 151·3 152·1 152·9 153·7	109·3 109·9 110·5 111·1 111·7	246 247 248 249 250	199.0 199.8 200.6 201.4 202.3	144.6 145.2 145.8 146.4 146.9
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27 2 28 2 29 2	20·2 21·0 21·8 22·5 23·3	16·4 17·0 17·6 18·3 18·9	86 87 83 89 90	66.8 67.6 68.4 69.2 69.9	54·1 54·8 55·4 56·0 56·6	146 147 148 149 150	113.5 114.2 115.0 115.8 116.6	91·9 92·5 93·1 93·8 94·4	206 207 208 209 210	160·1 160·9 161·6 162·4 163·2	129.6 130.3 130.9 131.5 132.2	266 267 268 269 270	206·7 207·5 208·3 209·1 209·8	167·4 168·0 168·7 169·3 169·9
32 2 33 2 34 2	24·1 24·9 25·6 26·4 27·2	19.5 20.1 20.8 21.4 22.0	91 92 93 94 95	70·7 71·5 72·3 73·1 73·8	57·3 57·9 53·5 59·2 59·8	151 152 153 154 155	117·3 118·1 118·9 119·7 120·5	95°0 95°7 96°3 96°9 97°5	211 212 213 214 215	164.0 164.8 165.5 166.3 167.1	132.8 133.4 134.0 134.7 135.3	271 272 273 274 275	210·6 211·4 212·2 212·9 213·7	170.5 171.2 171.8 172.4 173.1
37 2 38 2 39 3	28.0 28.8 29.5 30.3 31.1	22·7 23·3 23·9 24·5 25·2	96 97 98 99 100	74·6 75·4 76·2 76·9 77·7	60·4 61·0 61·7 62·3 62·9	156 157 158 159 160	121·2 122·0 122·8 123·6 124·3	98*2 98*8 99*4 100*1 100*7	216 217 218 219 220	167.9 168.6 169.4 170.2 171.0	135.9 136.6 137.2 137.8 138.5	276 277 278 279 280	214·5 215·3 216·0 216·8 217·6	173·7 174·3 175·0 175·6 176·2
42 3 43 3 44 3	1.9 2.6 3.4 4.1 5.0	25·8 26·4 27·1 27·7 28·3	101 102 103 104 105	78.5 79.3 80.0 80.8 81.6	63.6 64.2 64.8 65.4 66.1	161 162 163 164 165	125·1 125·9 126·7 127·5 128·2	101·3 101·9 102·6 103·2 103·8	221 222 223 224 225	171.7 172.5 173.3 174.1 174.9	139·1 139·7 140·3 141·0 141·6	281 282 283 284 285	218·4 219·2 219·9 220·7 221·5	176·8 177·5 178·1 178·7 179·4
47 3 48 3 49 3	5.7 6.5 7.3 8.1 8.9	28.9 29.6 30.2 30.8 31.5	106 107 108 109 110	82·4 83·2 83·9 84·7 85·5	66.7 67.3 68.0 68.6 69.2	166 167 168 169 170	129.0 129.8 130.6 131.3 132.1	104·5 105·1 105·7 106·4 107·0	226 227 228 229 230	175.6 176.4 177.2 178.0 178.7	142·2 142·9 143·5 144·1 144·7	286 287 288 289 290	222·3 223·0 223·8 224·6 225·4	180·0 180·6 181·2 181·9 182·5
52 4 53 4 54 4	9·6 0·4 1·2 2·0 2·7	32·1 32·7 33·4 34·0 34·6	111 112 113 114 115	86·3 87·0 87·8 88·6 89·4	69·9 70·5 71·1 71·7 72·4	171 172 173 174 175	132·9 133·7 134·4 135·2 136·0	107.6 108.2 108.9 109.5 110.1	231 232 233 234 235	179.5 180.3 181.1 181.9 182.6	145·4 146·0 146·6 147·3 147·9	291 292 293 294 295	226·1 226·9 227·7 228·5 229·3	183°1 183°8 184°4 185°0 185°6
57 4 58 4 59 4	3·5 4·3 5·1 5·9 6·6	35·2 35·9 36·5 37·1 37·8	116 117 118 119 120	90·1 90·9 91·7 92·5 93·3	73·0 73·6 74·3 74·9 75·5	176 177 178 179 180	136·8 137·6 138·3 139·1 139·9	110·8 111·4 112·0 112·6 113·3	236 237 238 239 240	183·4 184·2 185·0 185·7 186·5	148.5 149.1 149.8 150.4 151.0	296 297 298 299 300	230·0 230·8 231·6 232·4 233·1	186·3 186·9 187·5 188·2 188·8
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1 00·8 00·6	61 46·7 39·2	121 92.7 77.8	181 138·7 116·3	241 184·6 154·9
2 01·5 01·3	62 47·5 39·9	122 93.5 78.4	182 139·4 117·0	242 185·4 155·6
3 02·3 01·9	63 48·3 40·5	123 94.2 79.1	183 140·2 117·6	243 186·1 156·2
4 03·1 02·6	64 49·0 41·1	124 95.0 79.7	184 141·0 118·3	244 186·9 156·8
5 03·8 03·2	65 49·8 41·8	125 95.8 80.3	185 141·7 118·9	245 187·7 157·5
6 04.6 03.9	66 50.6 42.4	126 96.5 81.0	186 142·5 119·6	246 188.4 158.1
7 05.4 04.5	67 51.3 43.1	127 97.3 81.6	187 143·3 120·2	247 189.2 158.8
8 06.1 05.1	68 52.1 43.7	128 98.1 82.3	188 144·0 120·8	248 190.0 159.4
9 06.9 05.8	69 52.9 44.4	129 98.8 82.9	189 144·8 121·5	249 190.7 160.1
10 07.7 06.4	70 53.6 45.0	130 99.6 83.6	190 145·5 122·1	250 191.5 160.7
11 08·4 07·1	71 54·4 45·6	131 100·4 84·2	191 146·3 122·8	251 192·3 161·3
12 09·2 07·7	72 55·2 46·3	132 101·1 84·8	192 147·1 123·4	252 193·0 162·0
13 10·0 08·4	73 55·9 46·9	133 101·9 85·5	193 147·8 124·1	253 193·8 162·6
14 10·7 09·0	74 56·7 47·6	134 102·6 86·1	194 148·6 124·7	254 194·6 163·3
15 11·5 09·6	75 57·5 48·2	135 103·4 86·8	195 149·4 125·3	255 195·3 163·9
16 12·3 10·3	76 58·2 48·9	136 104·2 87·4	196 150·1 126·0	256 196·1 164·6
17 13·0 10·9	77 59·0 49·5	137 104·9 88·1	197 150·9 126·6	257 196·9 165·2
18 13·8 11·6	78 59·8 50·1	138 105·7 88·7	198 151·7 127·3	258 197·6 165·8
19 14·6 12·2	79 60·5 50·8	139 106·5 89·3	199 152·4 127·9	259 198·4 166·5
20 15·3 12·9	80 61·3 51·4	140 107·2 90·0	200 153·2 128·6	260 199·2 167·1
21 16·1 13·5	81 62·0 52·1	141 108·0 90·6	201 154·0 129·2	261 199·9 167·8
22 16·9 14·1	82 62·8 52·7	142 108·8 91·3	202 154·7 129·8	262 200·7 168·4
23 17·6 14·8	83 63·6 53·4	143 109·5 91·9	203 155·5 130·5	263 201·5 169·1
24 18·4 15·4	84 64·3 54·0	144 110·3 92·6	204 156·3 131·1	264 202·2 169·7
25 19·2 16·1	85 65·1 54·6	145 111·1 93·2	205 157·0 131·8	265 203·0 170·3
26 19·9 16·7	86 65·9 55·3	146 111·8 93·8	206 157·8 132·4	266 203·8 171·0
27 20·7 17·4	87 66·6 55·9	147 112·6 94·5	207 158·6 133·1	267 204·5 171·6
28 21·4 18·0	88 67·4 56·6	148 113·4 95·1	208 159·3 133·7	268 205·3 172·3
29 22·2 18·6	89 68·2 57·2	149 114·1 95·8	209 160·1 134·3	269 206·1 172·9
30 23·0 19·3	90 68·9 57·9	150 114·9 96·4	210 160·9 135·0	270 206·8 173·6
31 23·7 19·9	91 69·7 58·5	151 115·7 97·1	211 161·6 135·6	271 207·6 174·2
32 24·5 20·6	92 70·5 59·1	152 116·4 97·7	212 162·4 136·3	272 208·4 174·8
33 25·3 21·2	93 71·2 59·8	153 117·2 98·3	213 163·2 136·9	273 209·1 175·5
34 26·0 21·9	94 72·0 60·4	154 118·0 99·0	214 163·9 137·6	274 209·9 176·1
35 26·8 22·5	95 72·8 61·1	155 118·7 99·6	215 164·7 138·2	275 210·7 176·8
36 27.6 23.1	96 73·5 61·7	156 119·5 100·3	216 165·5 138·8	276 211·4 177·4
37 28.3 23.8	97 74·3 62·4	157 120·3 100·9	217 166·2 139·5	277 212·2 178·1
38 29.1 24.4	98 75·1 63·0	158 121·0 101·6	218 167·0 140·1	278 213·0 178·7
39 29.9 25.1	99 75·8 63·6	159 121·8 102·2	219 167·8 140·8	279 213·7 179·3
40 30.6 25.7	100 76·6 64·3	160 122·6 102·8	220 168·5 141·4	280 214·5 180·0
41 31.4 26.4	101 77.4 64.9	161 123°3 103°5	221 169·3 142·1	281 215·3 180·6
42 32.2 27.0	102 78.1 65.6	162 124°1 104°1	222 170·1 142·7	282 216·0 181·3
43 32.9 27.6	103 78.9 66.2	163 124°9 104°8	223 170·8 143·3	283 216·8 181·9
44 33.7 28.3	104 79.7 66.8	164 125°6 105°4	224 171·6 144·0	284 217·6 182·6
45 34.5 28.9	105 80.4 67.5	165 126°4 106°1	225 172·4 144·6	285 218·3 183·2
46 35·2 29·6	106 81·2 68·1	166 127·2 106·7	226 173°1 145°3	286 219·1 183·8
47 36·0 30·2	107 82·0 68·8	167 127·9 107·3	227 173°9 145°9	287 219·9 184·5
48 36·8 30·9	108 82·7 69·4	168 128·7 108·0	228 174°7 146°6	288 220·6 185·1
49 37·5 31·5	109 83·5 70·1	169 129·5 108·6	229 175°4 147°2	289 221·4 185·8
50 38·3 32·1	110 84·3 70·7	170 130·2 109·3	230 176°2 147°8	290 222·2 186·4
51 39·1 32·8	111 85·0 71·3	171 131·0 109·9	231 177.0 148.5	291 222.9 187.1
52 39·8 33·4	112 85·8 72·0	172 131·8 110·6	232 177.7 149.1	292 223.7 187.7
53 40·6 34·1	113 86·6 72·6	173 132·5 111·2	233 178.5 149.8	293 224.5 188.3
54 41·4 34·7	114 87·3 73·3	174 133·3 111·8	234 179.3 150.4	294 225.2 189.0
55 42·1 35·4	115 88·1 73·9	175 134·1 112·5	235 180.0 151.1	295 226.0 189.6
56 42.9 36.0	116 88-9 74-6	176 134·8 113·1	236 180'8 151'7	296 226·7 190·3
57 43.7 36.6	117 89-6 75-2	177 135·6 113·8	237 181'6 152'3	297 227·5 190·9
58 44.4 37.3	118 90-4 75-8	178 136·4 114·4	238 182'3 153'0	298 228·3 191·6
59 45.2 37.9	119 91-2 76-5	179 137·1 115·1	239 183'1 153'6	299 229·0 192·2
60 46.0 38.6	120 91-9 77-1	180 137·9 115·7	240 183'9 154'3	300 229·8 192·8
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Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
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2 01·5 01·3	62 46.8 40.7	122 92·1 80·0	182 137.4 119.4	242 182:6 158:8
3 02·3 02·0	63 47.5 41.3	123 92·8 80·7	183 138.1 120.1	243 183:4 159:4
4 03·0 02·6	64 48.3 42.0	124 93·6 81·4	184 138.9 120.7	244 184:1 160:1
5 03·8 03·3	65 49.1 42.6	125 94·3 82·0	185 139.6 121.4	245 184:9 160:7
6 04.5 08.9	66 49.8 43.3	126 95·1 82·7	186 140·4 122·0	246 185·7 161·4
7 05.3 04.6	67 50.6 44.0	127 95·3 83·3	187 141·1 122·7	247 186·4 162·0
8 06.0 05.2	68 51.3 44.6	128 96·6 84·0	188 141·9 123·3	248 187·2 162·7
9 06.8 05.9	69 52.1 45.3	129 97·4 84·6	189 142·6 124·0	249 187·9 163·4
10 07.5 06.6	70 52.8 45.9	130 98·1 85·3	190 143·4 124·7	250 188·7 164·0
11 08°3 07°2	71 58.6 46.6	131 98-9 85-9	191 144·1 125·3	251 189.4 164.7
12 09°1 07°9	72 54.3 47.2	132 99-6 86-6	192 144·9 126·0	252 190.2 165.3
13 09°8 08°5	73 55.1 47.9	133 100-4 87-3	193 145·7 126·6	253 190.9 166.0
14 10°6 09°2	74 55.8 48.5	134 101-1 87-9	194 146·4 127·3	254 191.7 166.6
15 11°3 09°8	75 56.6 49.2	135 101-9 88-6	195 147·2 127·9	255 192.5 167.3
16 12·1 10·5	76 57.4 49.9	136 102·6 89·2	196 147.9 128.6	256 193·2 168·0
17 12·8 11·2	77 58.1 50.5	137 103·4 89·9	197 148.7 129.2	257 194·0 168·6
18 13·6 11·8	78 58.9 51.2	138 104·1 90·5	198 149.4 129.9	258 194·7 169·3
19 14·3 12·5	79 59.6 51.8	139 104·9 91·2	199 150.2 130.6	259 195·5 160·9
20 15·1 13·1	80 60.4 52.5	140 105·7 91·8	200 150.9 131.2	260 196·2 170·6
21 15·8 13·8	81 61·1 53·1	141 106·4 92·5	201 151·7 131·9	261 197·0 171·2
22 16·6 14·4	82 61·9 53·8	142 107·2 93·2	202 152·5 132·5	262 197·7 171·9
23 17·4 15·1	83 62·6 54·5	143 107·9 93·8	203 153·2 133·2	263 198·5 172·5
24 18·1 15·7	84 63·4 55·1	144 108·7 94·5	204 154·0 133·8	264 199·2 173·2
25 18·9 16·4	85 64·2 55·8	145 109·4 95·1	205 154·7 134·5	265 200·0 173·9
26 19·6 17·1	86 64.9 56.4	146 110 2 95·8	206 155·5 135·1	266 200.8 174.5
27 20·4 17·7	87 65.7 57.1	147 110·9 96·4	207 156·2 135·8	267 201.5 175.2
28 21·1 18·4	88 66.4 57.7	148 111·7 97·1	208 157·0 136·5	268 202.3 175.8
29 21·9 19·0	89 67.2 58.4	149 112·5 97·8	209 157·7 137·1	269 203.0 176.5
30 22·6 19·7	90 67.9 59.0	150 113·2 98·4	210 158·5 137·8	270 203.8 177.1
31 23·4 20·3	91 68·7 59·7	151 114·0 99·1	211 159·2 138·4	271 204·5 177·8
32 24·2 21·0	92 69·4 60·4	152 114·7 99·7	212 160·0 139·1	272 205·3 178·4
33 24·9 21·6	93 70·2 61·0	153 115·5 100·4	213 160·8 139·7	273 206·0 179·1
34 25·7 22·3	94 70·9 61·7	154 116·2 101·0	214 161·5 140·4	274 206·8 179·8
35 26·4 23·0	95 71·7 62·3	155 117·0 101·7	215 162·3 141·1	275 207·5 180·4
36 27·2 23·6	96 72.5 63.0	156 117·7 102·3	216 163·0 141·7	276 208:3 181:1
37 27·9 24·3	97 73.2 63.6	157 118·5 108·0	217 163·8 142·4	277 209:1 181:7
38 28·7 24·9	98 74.0 64.3	158 119·2 103·7	218 164·5 143·0	278 209:8 182:4
39 29·4 25·6	99 74.7 64.9	159 120·0 104·3	219 165·3 143·7	279 210:6 183:0
40 30·2 26·2	100 75.5 65.6	160 120·8 105·0	220 166·0 144·3	280 211:3 183:7
41 30·9 26·9	101 76·2 66·3	161 121·5 105·6	221 166·8 145·0	281 212:1 184:4
42 31·7 27·6	102 77·0 66·9	162 122·3 106·3	222 167·5 145·6	282 212:8 185:0
43 32·5 28·2	103 77·7 67·6	163 123·0 106·9	223 168·3 146·3	283 213:6 185:7
44 33·2 28·9	104 78·5 68·2	164 123·8 107·6	224 169·1 147·0	284 214:3 186:3
45 34·0 29·5	105 79·2 68·9	165 124·5 108·2	225 169·8 147·6	285 215:1 187:0
46 34·7 30·2	106 80·0 69·5	166 125·3 108·9	226 170.6 148.3	286 215·8 187·6
47 35·5 30·8	107 80·8 70·2	167 126·0 109·6	227 171.3 148.9	287 216·6 188·3
48 36·2 31·5	108 81·5 70·9	168 126·8 110·2	228 172.1 149.6	288 217·4 188·9
49 37·0 32·1	109 82·3 71·5	169 127·5 110·9	229 172.8 150.2	289 218·1 189·6
50 37·7 32·8	110 83·0 72·2	170 128·3 111·5	230 173.6 150.9	290 218·9 190·3
51 38·5 33·5	111 83·8 72·8	171 129·1 112·2	231 174·3 151·5	291 219·6 190·9
52 39·2 34·1	112 84·5 73·5	172 129·8 112·8	232 175·1 152·2	292 220·4 191·6
53 40·0 34·8	113 85·3 74·1	173 130·6 113·5	233 175·8 152·9	293 221·1 192·2
54 40·8 35·4	114 86·0 74·8	174 131·3 114·2	234 176·6 153·5	294 221·9 192·9
55 41·5 36·1	115 86·8 75·4	175 132·1 114·8	235 177·4 154·2	295 222·6 193·5
56 42·3 36·7	116 87.5 76.1	176 132·8 115·5	236 178:1 154:8	296 223·4 194·2
57 43·0 37·4	117 88.3 76.8	177 133·6 116·1	237 178:9 155:5	297 224·1 194·8
58 43·8 38·1	118 89.1 77.4	178 134·3 116·8	238 179:6 156:1	298 224·9 195·5
59 44·5 38·7	119 89.8 78.1	179 135·1 117·4	239 180:4 156:8	299 225·7 196·2
60 45·3 39·4	120 90.6 78.7	180 135·8 118·1	240 181:1 157:5	300 226·4 196·8
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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00·7	00·7	61	45·3	40.8	121	89.9	81:0	181	134·5	121·1	241	179·1	161·3
2	01·5	01·3	62	46·1	41.5	122	90.7	81:6	182	135·3	121·8	242	179·8	161·9
3	02·2	02·0	63	46·8	42.2	123	91.4	82:3	183	136·0	122·5	243	180·6	162·6
4	03·0	02·7	64	47·6	42.8	124	92.1	83:0	184	136·7	123·1	244	181·3	163·3
5	03·7	03·3	65	48·3	43.5	125	92.9	83:6	185	137·5	123·8	245	182·1	163·9
6 7 8 9	04·5 05·2 05·9 06·7 07·4	04·0 04·7 05·4 06·0 06·7	66 67 68 69 70	49.0 49.8 50.5 51.3 52.0	44.2 44.8 45.5 46.2 46.8	126 127 128 129 130	93.6 94.4 95.1 95.9 96.6	84·3 85·0 85·6 86·3 87·0	186 187 188 189 190	138·2 139·0 139·7 140·5 141·2	124·5 125·1 125·8 126·5 127·1	246 247 248 249 250	182.8 183.6 184.3 185.0 185.8	164.6 165.3 165.9 166.6 167.3
11 12 13 14 15	08·2 08·9 09·7 10·4 11·1	07:4 08:0 08:7 09:4 10:0	71 72 73 74 75	52.8 53.5 54.2 55.0 55.7	47.5 48.2 48.8 49.5 50.2	131 132 133 134 135	97.4 98.1 98.8 99.6 100.3	87·7 88·3 89·0 89·7 90·3	191 192 193 194 195	141·9 142·7 143·4 144·2 144·9	127.8 128.5 129.1 129.8 130.5	251 252 253 254 255	186.5 187.3 188.0 188.8 189.5	168.6 169.3 170.0 170.6
16	11.9	10·7	76	56.5	50.9	136	101·1	91·0	196	145·7	131·1	256	190·2	171·3
17	12.6	11·4	77	57.2	51.5	137	101·8	91·7	197	146·4	131·8	257	191·0	172·0
18	13.4	12·0	78	58.0	52.2	138	102·6	92·3	198	147·1	132·5	258	191·7	172·6
19	14.1	12·7	79	58.7	52.9	139	103·3	93·0	199	147·9	133·2	259	192·5	173·3
20	14.9	13·4	80	59.5	53.5	140	104·0	93·7	200	148·6	133·8	260	193·2	174·0
21	15.6	14·1	81	60·2	54·2	141	104.8	94·3	201	149·4	134·5	261	194.0	174.6
22	16.3	14·7	82	60·9	54·9	142	105.5	95·0	202	150·1	135·2	262	194.7	175.3
23	17.1	15·4	83	61·7	55·5	143	106.3	95·7	203	150·9	135·8	263	195.4	176.0
24	17.8	16·1	84	62·4	56·2	144	107.0	96·4	204	151·6	136·5	264	196.2	176.7
25	18.6	16·7	85	63·2	56·9	145	107.8	97·0	205	152·3	137·2	265	196.9	177.3
26	19·3	17·4	86	63·9	57.5	146	108·5	97.7	206	153·1	137·8	266	197.7	178.7
27	20·1	18·1	87	64·7	58.2	147	109·2	98.4	207	153·8	138·ŏ	267	198.4	178.7
28	20·8	18·7	88	65·4	58.9	148	110·0	99.0	208	154·6	139·2	268	199.2	179.3
29	21·6	19·4	89	66·1	59.6	149	110·7	99.7	209	155·3	139·8	269	199.9	180.0
30	22·3	20·1	90	66·9	60.2	150	111·5	100.4	210	156·1	140·5	270	200.6	180.7
31	23.0	20·7	91	67.6	60.9	151	112·2	101·0	211	156·8	141·2	271	201·4	181·3
32	23.8	21·4	92	68.4	61.6	152	113·0	101·7	212	157·5	141·9	272	202·1	182·0
33	24.5	22·1	93	69.1	62.2	153	113·7	102·4	213	158·3	142·5	273	202·9	182·7
34	25.3	22·8	94	69.9	62.9	154	114·4	103·0	214	159·0	143·2	274	203·6	183·3
35	26.0	23·4	95	70.6	63.6	155	115·2	103·7	215	159·8	143·9	275	204·4	184·0
36	26.8	24·1	96	71·3	64·2	156	115.9	104·4	216	160·5	144.5	276	205·1	184·7
37	27.5	24·8	97	72·1	64·9	157	116.7	105·1	217	161·3	145.2	277	205·9	185·3
38	28.2	25·4	98	72·8	65·6	158	117.4	105·7	218	164·0	145.9	278	206·6	186·0
39	29.0	26·1	99	73·6	66·2	159	118.2	106·4	219	162·7	146.5	279	207·3	186·7
40	29.7	26·8	100	74·3	66·9	160	118.9	107·1	220	163·5	147.2	280	208·1	187·4
41 42 43 44 45	30·5 31·2 32·0 32·7 33·4	27·4 28·1 28·8 29·4 30·1	101 102 103 104 105	75·1 75·8 76·5 77·3 78·0	67.6 68.3 68.9 69.6 70.3	161 162 163 164 165	119.6 120.4 121.1 121.9 122.6	107·7 108·4 109·1 109·7 110·4	221 222 223 224 225	164 · 2 165 · 0 165 · 7 166 · 5 167 · 2	147.9 148.5 149.2 149.9 150.6	281 282 283 284 285	208·8 209·6 210·3 211·1 211·8	188.7 189.4 190.0 190.7
46 47 48 49 50	34·2 34·9 35·7 36·4 37·2	30·8 31·4 32·1 32·8 33·5	106 107 108 109 110	78·8 79·5 80·3 81·0 81·7	70.9 71.6 72.3 72.9 73.6	166 167 168 169 170	123·4 124·1 124·8 125·6 126·3	111·1 111·7 112·4 113·1 113·8	226 227 228 229 230	168.7 169.4 170.2 170.9	151·2 151·9 152·6 153·2 153·9	286 287 288 289 290	212·5 213·3 214·0 214·8 215·5	191·4 192·0 192·7 193·4 194·0
51	37.9	34·1	111	82·5	74·3	171	127·1	114·4	231	171.7	154.6	291	216·3	194·7
52	38.6	34·8	112	83·2	74·9	172	127·8	115·1	232	172.4	155.2	292	217·0	195·4
53	39.4	35·5	113	84·0	75·6	173	128·6	115·8	233	173.2	155.9	293	217·7	196·1
54	40.1	36·1	114	84·7	76·3	174	129·3	116·4	234	173.9	156.6	294	218·5	196·7
55	40.9	36·8	115	85·5	77·0	175	130·1	117·1	235	174.6	157.2	295	219·2	197·4
56	41.6	37·5	116	86·2	77.6	176	130·8	117·8	236	175·4	157.9	296	220·0	198·1
57	42.4	38·1	117	86·9	78.3	177	131·5	118·4	237	176·1	158.6	297	220·7	198·7
58	43.1	38·8	118	87·7	79.0	178	132·3	119·1	238	176·9	159.3	298	221·5	199·4
59	43.8	39·5	119	88·4	79.6	179	133·0	119·8	239	177·6	159.9	299	222·2	200·1
60	44.6	40·1	120	89·2	80.3	180	133·8	120·4	240	178·4	160.6	300	222·9	200·7
Dist.	Dep.	Lat.	Dist	Dep.	Lat.	Dist	Dep.	Lat.	Dist.	Dep.	Lat.	Dist	. Dep.	Lat.

				FOF 45.
Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 00.7 00.7	61 44.6 41.6	121 88·5 82·5	181 132·4 123·4	241 176·3 164·4
2 01.5 01.4	62 45.3 42.3	122 89·2 83·2	182 133·1 124·1	242 177·0 165·0
3 02.2 02.0	63 46.1 43.0	123 90·0 83·9	183 133·8 124·8	243 177·7 165·7
4 02.9 02.7	64 46.8 43.6	124 90·7 84·6	184 134·6 125·5	244 178·5 166·4
5 03.7 03.4	65 47.5 44.3	125 91·4 85·2	185 135·3 126·2	245 179·2 167·1
6 04·4 04·1	66 48·3 45·0	126 92·2 85·9	186 136·0 126·9	246 179.9 167.8
7 05·1 04·8	67 49·0 45·7	127 92·9 86·6	187 136·8 127·5	247 180.6 168.5
8 05·9 05·5	68 49·7 46·4	128 93·6 87·3	188 137·5 128·2	248 181.4 169.1
9 06·6 06·1	69 50·5 47·1	129 94·3 88·0	189 138·2 128·9	249 182.1 169.8
10 07·3 06·8	70 51·2 47·7	130 95·1 88·7	190 139·0 129·6	250 182.8 170.5
11 08·0 07·5	71 51·9 48·4	131 95.8 89.3	191 139·7 130·3	251 183·6 171·2
12 08·8 08·2	72 52·7 49·1	132 96.5 90.0	192 140·4 130·9	252 184·3 171·9
13 09·5 08·9	73 53·4 49·8	133 97.3 90.7	193 141·2 131·6	253 185·0 172·5
14 10·2 09·5	74 54·1 50·5	134 98.0 91.4	194 141·9 132·3	254 185·8 173·2
15 11·0 10·2	75 54·9 51·1	135 98.7 92.1	195 142·6 133·0	255 186·5 173·9
16 11.7 10.9	76 55.6 51.8	136 99.5 92.8	196 143:3 133:7	256 187·2 174·6
17 12.4 11.6	77 56.3 52.5	137 100.2 93.4	197 144:1 134:4	257 188·0 175·3
18 13.2 12.3	78 57.0 53.2	138 100.9 94.1	198 144:8 135:0	258 188·7 176·0
19 13.9 13.0	79 57.8 53.9	139 101.7 94.8	199 145:5 135:7	259 189·4 176·6
20 14.6 13.6	80 58.5 54.6	140 102.4 95.5	200 146:3 136:4	260 190·2 177·3
21 15.4 14.3	81 59·2 55·2	141 103·1 96·2	201 147·0 137·1	261 190·9 178·0
22 16.1 15.0	82 60·0 55·9	142 103·9 96·8	202 147·7 137·8	262 191·6 178·7
23 16.8 15.7	83 60·7 56·6	143 104·6 97·5	203 148·5 138·4	263 192·3 179·4
24 17.6 16.4	84 61·4 57·3	144 105·3 98·2	204 149·2 139·1	264 193·1 180·0
25 18.3 17.0	85 62·2 58·0	145 106·0 98·9	205 149·9 139·8	265 193·8 180·7
26 19·0 17·7	86 62:9 58:7	146 106·8 99·6	206 150·7 140·5	266 194·5 181·4
27 19·7 18·4	87 63:6 59:3	147 107·5 100·3	207 151·4 141·2	267 195·3 182·1
28 20·5 19·1	88 64:4 60:0	148 108·2 100·9	208 152·1 141·9	268 196·0 182·8
29 21·2 19·8	89 65:1 60:7	149 109·0 101·6	209 152·9 142·5	269 196·7 183·5
30 21·9 20·5	90 65:8 61:4	150 109·7 102·3	210 153·6 143·2	270 197·5 184·1
31 22·7 21·1	91 66·6 62·1	151 110·4 103·0	211 154'3 143'9	271 198·2 184·8
32 23·4 21·8	92 67·3 62·7	152 111·2 103·7	212 155'0 144'6	272 198·9 185·5
33 24·1 22·5	93 63·0 63·4	153 111·9 104·3	213 155'8 145'3	273 199·7 186·2
34 24·9 23·2	94 63·7 64·1	154 112·6 105·0	214 156'5 145'9	274 200·4 186·9
35 25·6 23·9	95 69·5 64·8	155 113·4 105·7	215 157'2 146'6	275 201·1 187·5
36 26·3 24·6	96 70·2 65·5	156 114·1 106·4	216 158·0 147·3	276 201·9 188·2
37 27·1 25·2	97 70·9 66·2	157 114·8 107·1	217 158·7 148·0	277 202·6 188·9
38 27·8 25·9	98 71·7 66·8	158 115·6 107·8	218 159·4 148·7	278 203·3 189·6
39 28·5 26·6	99 72·4 67·5	159 116·3 108·4	219 160·2 149·4	279 204·0 190·3
40 29·3 27·3	100 73·1 68·2	160 117·0 109·1	220 160·9 150·0	280 204·8 191·0
41 30·0 28·0	101 73·9 68·9	161 117·7 109·8	221 161·6 150·7	281 205·5 191·6
42 30·7 28·6	102 74·6 69·6	162 118·5 110·5	222 162·4 151·4	282 206·2 192·3
43 31·4 29·3	103 75·3 70·2	163 119·2 111·2	223 163·1 152·1	283 207·0 193·0
44 32·2 30·0	104 76·1 70·9	164 119·9 111·8	224 163·8 152·8	284 207·7 193·7
45 32·9 30·7	105 76·8 71·6	165 120·7 112·5	225 164·6 153·4	285 208·4 194·4
46 33.6 31.4	106 77·5 72·3	166 121·4 113·2	226 165·3 154·1	286 209·2 195·1
47 34.4 32.1	107 78·3 73·0	167 122·1 113·9	227 166·0 154·8	287 209·9 195·7
48 35.1 32.7	108 79·0 73·7	168 122·9 114·6	228 166·7 155·5	288 210·6 196·4
49 35.8 33.4	109 79·7 74·3	169 123·6 115·3	229 167·5 156·2	289 211·4 197·1
50 36.6 34.1	110 80·4 75·0	170 124·3 115·9	230 168·2 156·9	290 212·1 197·8
51 37·3 34·8	111 81·2 75·7	171 125·1 116·6	231 168·9 157·5	291 212·8 198·5
52 38·0 35·5	112 81·9 76·4	172 125·8 117·3	232 169·7 158·2	292 213·6 199·1
53 38·8 36·1	113 82·6 77·1	173 126·5 118·0	233 170·4 158·9	293 214·3 199·8
54 39·5 36·8	114 83·4 77·7	174 127·3 118·7	234 171·1 159·6	294 215·0 200·5
55 40·2 37·5	115 84·1 78·4	175 128·0 119·3	235 171·9 160·3	295 215·7 201·2
56 41.0 38.2	116 84·8 79·1	176 128.7 120.0	236 172·6 161·0	296 216·5 201·9
57 41.7 38.9	117 85·6 79·8	177 129.4 120.7	237 173·3 161·6	297 217·2 202·6
58 42.4 39.6	118 86·3 80·5	178 130.2 121.4	238 174·1 162·3	298 217·9 203·2
59 43.1 40.2	119 87·0 81·2	179 130.9 122.1	239 174·8 163·0	299 218·7 203·9
60 43.9 40.9	120 87·8 81·8	180 131.6 122.8	240 175·5 163·7	300 219·4 204·6
Dist. Dep. Lat.	Dist. Dep. Lat.	Dist. Dep. Lat.	Dist. Dep. Lat.	Dist. Dep. Lat.

				101 44.
Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.	Dist. Lat. Dep.
1 00°7 00°7	61 43·9 42·4	. 121 87.0 84.1	181 130·2 125·7	241 173 4 167 4
2 01°4 01°4	62 44·6 43·1	122 87.8 84.7	182 130·9 120·4	242 174 1 168 1
3 02°2 02°1	63 45·3 43·8	123 88.5 85.4	183 131·6 127·1	243 174 8 168 8
4 02°9 02°8	64 46·0 44·5	124 89.2 86.1	184 132·4 127·8	244 175 5 169 5
5 03°6 03°5	65 46·8 45·2	125 89.9 86.8	185 133·1 128·5	245 176 2 170 2
6 04·3 04·2	66 47.5 45.8	126 90.6 87.5	186 133·8 129·2	246 177.0 170.9
7 05·0 04·9	67 48.2 46.5	127 91.4 88.2	187 134·5 129·9	247 177.7 171.6
8 05·8 05·6	68 48.9 47.2	128 92.1 88.9	188 135·2 130·6	248 178.4 172.3
9 06·5 06·3	69 49.6 47.9	129 92.8 89.6	189 136·0 131·3	249 179.1 173.0
10 07·2 06·9	70 50.4 48.6	130 93.5 90.3	190 136·7 132·0	250 179.8 173.7
11 07'9 07'6	71 51·1 49·3	131     94·2     91·0       132     95·0     91·7       133     95·7     92·4       134     96·4     93·1       135     97·1     93·8	191 137.4 132.7	251 180.6 174.4
12 03'6 08'3	72 51·8 50·0		192 138.1 133.4	252 181.3 175.1
13 09'4 09'0	73 52·5 50·7		193 138.8 134.1	253 182.0 175.7
14 10'1 09'7	74 53·2 51·4		194 139.6 134.8	254 182.7 176.4
15 10'8 10'4	75 54·0 52·1		195 140.3 135.5	255 183.4 177.1
16 11.5 11.1	76 54.7 52.8	136     97.8     94.5       137     98.5     95.2       138     99.3     95.9       139     100.0     96.6       140     100.7     97.3	196 141.0 136.2	256 184·2 177·8
17 12.2 11.8	77 55.4 53.5		197 141.7 136.8	257 184·9 178·5
18 12.9 12.5	78 56.1 54.2		198 142.4 137.5	258 185·6 179·2
19 13.7 13.2	79 56.8 54.9		199 143.1 138.2	259 186·3 179·9
20 14.4 13.9	80 57.5 55.6		200 143.9 138.9	260 187·0 180·6
21 15·1 14·6	81 58·3 56·3	141     101·4     97·9       142     102·1     98·6       143     102·9     99·3       144     103·6     100·0       145     104·3     100·7	201 144.6 139.6	261 187·7 181·3
22 15·8 15·3	82 59·0 57·0		202 145.3 140.3	262 188·5 182·0
23 16·5 16·0	83 59·7 57·7		203 146.0 141.0	263 189·2 182·7
24 17·3 16·7	84 60·4 58·4		204 146.7 141.7	264 189·9 183·4
25 18·0 17·4	85 61·1 59·0		205 147.5 142.4	265 190·6 184·1
26 18·7 18·1	86 61.9 59.7	146 105.0 101.4	206 148°2 143°1	266 191·3 184·8
27 19·4 18·8	87 62.6 60.4	147 105.7 102.1	207 148°9 143°8	267 192·1 185·5
28 20·1 19·5	88 63.3 61.1	148 106.5 102.8	208 149°6 144°5	268 192·8 186·2
29 20·9 20·1	89 64.0 61.8	149 107.2 103.5	209 150°3 145°2	269 193·5 186·9
30 21·6 20·8	90 64.7 62.5	150 107.9 104.2	210 151°1 145°9	270 194·2 187·6
31 22·3 21·5	91 65·5 63·2	151 108.6 104.9	211 151'8 146'6	271 194·9 188·3
32 23·0 22·2	92 66·2 63·9	152 109.3 105.6	212 152'5 147'3	272 195·7 188·9
33 23·7 22·9	93 66·9 64·6	153 110.1 106.3	213 153'2 148'0	273 196·4 189·6
34 24·5 23·6	94 67·6 65·3	154 110.8 107.0	214 153'9 148'7	274 197·1 190·3
35 25·2 24·3	95 63·3 66·0	155 111.5 107.7	215 154'7 149'4	275 197·8 191·0
36 25.9 25.0	96 69·1 66·7	156 112·2 108·4	216 155.4 150.0	276 198·5 191·7
37 26.6 25.7	97 69·8 67·4	157 112·9 109·1	217 156.1 150.7	277 199·3 192·4
38 27.3 26.4	98 70·5 68·1	158 113·7 109·8	218 156.8 151.4	278 200·0 193·1
39 28.1 27.1	99 71·2 68·8	159 114·4 110·5	219 157.5 152.1	279 200·7 193·8
40 28.8 27.8	100 71·9 69·5	160 115·1 111·1	220 158.3 152.8	280 201·4 194·5
41 29·5 28·5	101 72·7 70·2	161 115·8 111·8	221 159°0 153°5	281 202·1 195·2
42 30·2 29·2	102 73·4 70·9	162 116·5 112·5	222 159°7 154°2	282 202·9 195·9
43 30·9 29·9	103 74·1 71·5	163 117·3 113·2	223 160°4 154°9	283 203·6 196·6
44 31·7 30·6	104 74·8 72·2	164 118·0 113·9	224 161°1 155°6	284 204·3 197·3
45 32·4 31·3	105 75·5 72·9	165 118·7 114·6	225 161°9 156°3	285 205·0 198·0
46 33·1 32·0	106 76·3 73·6	166 119·4 115·3	226 162.6 157.0	286 205·7 198·7
47 33·8 32·6	107 77·0 74·3	167 120·1 116·0	227 163.3 157.7	287 206·5 199·4
48 34·5 33·3	108 77·7 75·0	168 120·8 116·7	228 164.0 158.4	288 207·2 200·1
49 35·2 34·0	109 78·4 75·7	169 121·6 117·4	229 164.7 159.1	289 207·9 200·8
50 36·0 34·7	110 79·1 76·4	170 122·3 118·1	230 165.4 159.8	290 208·6 201·5
51 36.7 35.4	111 79·8 77·1	171 123·0 118·8	231 166·2 160·5	291 209·3 202·1
52 37.4 36.1	112 80·6 77·8	172 123·7 119·5	232 166·9 161·2	292 210·0 202·8
53 38.1 36.8	113 81·3 78·5	173 124·4 120·2	233 167·6 161·9	293 210·8 203·5
54 38.8 37.5	114 82·0 79·2	174 125·2 120·9	234 168·3 162·6	294 211·5 204·2
55 39.6 38.2	115 82·7 79·9	175 125·9 121·6	235 169·0 163·2	295 212·2 204·9
56 40·3 38·9	116 83·4 80·6	176 126.6 122.3	236 169·8 163·9	296 212·9 205·6
57 41·0 39·6	117 84·2 81·3	177 127.3 123.0	237 170·5 164·6	297 213·6 206·3
58 41·7 40·3	118 84·9 82·0	178 123.0 123.6	238 171·2 165·3	298 214·4 207·0
59 42·4 41·0	119 85·6 82·7	179 128.8 124.3	239 171·9 166·0	299 215·1 207·7
60 43·2 41·7	120 86·3 83·4	180 129.5 125.0	240 172·6 166·7	300 215·8 208·4
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Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.	Dist.	Lat.	Dep.
1	00.7	00.7	61	43·1	43·1	121	85.6	85.6	181	128·0	128.0	241	170·4	170·4
2	01.4	01.4	62	43·8	43·8	122	86.3	86.3	182	128·7	128.7	242	171·1	171·1
3	02.1	02.1	63	44·5	44·5	123	87.0	87.0	183	129·4	129.4	243	171·8	171·8
4	02.8	02.8	64	45·3	45·3	124	87.7	87.7	184	130·1	130.1	244	172·5	172·5
5	03.5	03.5	65	46·0	46·0	125	88.4	88.4	185	130·8	130.8	245	173·2	173·2
6	04·2	04·2	66	46.7	46.7	126	89.1	89·1	186	131·5	131·5	246	173·9	173.9
7	04·9	04·9	67	47.4	47.4	127	89.8	89·8	187	132·2	132·2	247	174·7	174.7
8	05·7	05·7	68	48.1	48.1	128	90.5	90·5	188	132·9	132·9	248	175·4	175.4
9	06·4	06·4	69	48.8	48.8	129	91.2	91·2	189	133·6	133·6	249	176·1	176.1
10	07·1	07·1	70	49.5	49.5	130	91.9	91·9	190	134·4	134·4	250	176·8	176.8
11	07.8	07.8	71	50·2	50·2	131	92.6	92.6	191	135·1	135·1	251	177.5	177.5
12	08.5	08.5	72	50·9	50·9	132	93.3	93.3	192	135·8	135·8	252	178.2	178.2
13	09.2	09.2	73	51·6	51·6	133	94.0	94.0	193	136·5	136·5	253	178.9	178.9
14	09.9	09.9	74	52·3	52·3	134	94.8	94.8	194	137·2	137·2	254	179.6	179.6
15	10.6	10.6	75	53·0	53·0	135	95.5	95.5	195	137·9	137·9	255	180.3	180.3
16	11·3	11·3	76	53·7	53·7	136	96·2	96·2	196	138.6	138.6	256	181·0	181·0
17	12·0	12·0	77	54·4	54·4	137	96·9	96·9	197	139.3	139.3	257	181·7	181·7
18	12·7	12·7	78	55·2	55·2	138	97·6	97·6	198	140.0	140.0	258	182·4	182·4
19	13·4	13·4	79	55·9	55·9	139	98·3	98·3	199	140.7	140.7	259	183·1	183·1
20	14·1	14·1	80	56·6	56·6	140	99·0	99·0	200	141.4	141.4	260	183·8	183·8
21	14.8	14·8	81	57·3	57·3	141	99.7	99.7	201	142.1	142·1	261	184.6	184.6
22	15.6	15·6	82	58·0	58·0	142	100.4	100.4	202	142.8	142·8	262	185.3	185.3
23	16.3	16·3	83	58·7	58·7	143	101.1	101.1	203	143.5	143·5	263	186.0	186.0
24	17.0	17·0	84	59·4	59·4	144	101.8	101.8	204	144.2	144·2	264	186.7	186.7
25	17.7	17·7	85	60·1	60·1	145	102.5	102.5	205	145.0	145·0	265	187.4	187.4
26	18·4	18·4	86	60.8	60.8	146	103·2	103·2	206	145.7	145·7	266	188·1	188·1
27	19·1	19·1	87	61.5	61.5	147	103·9	103·9	207	146.4	146·4	267	188·8	188·8
28	19·8	19·8	88	62.2	62.2	148	104·7	104·7	208	147.1	147·1	268	189·5	189·5
29	20·5	20·5	89	62.9	62.9	149	105·4	105·4	209	147.8	147·8	269	190·2	190·2
30	21·2	21·2	90	63.6	63.6	150	106·1	106·1	210	148.5	148·5	270	190·9	190·9
31	21.9	21.9	91	64·3	64·3	151	106·8	106.8	211	149·2	149·2	271	191.6	191.6
32	22.6	22.6	92	65·1	65·1	152	107·5	107.5	212	149·9	149·9	272	192.3	192.3
33	23.3	23.3	93	65·8	65·8	153	108·2	108.2	213	150·6	150·6	273	193.0	193.0
34	24.0	24.0	94	66·5	66·5	154	108·9	108.9	214	151·3	151·3	274	193.7	193.7
35	24.7	24.7	95	67·2	67·2	155	109·6	109.6	215	152·0	152·0	275	194.5	194.5
36	25·5	25.5	96	67.9	67.9	156	110·3	110·3	216	152.7	152.7	276	195·2	195.2
37	26·2	26.2	97	68.6	68.6	157	111·0	111·0	217	153.4	153.4	277	195·9	195.9
38	26·9	26.9	98	69.3	69.3	158	111·7	111·7	218	154.1	154.1	278	196·6	196.6
39	27·6	27.6	99	70.0	70.0	159	112·4	112·4	219	154.9	154.9	279	197·3	197.3
40	28·3	28.3	100	70.7	70.7	160	113·1	113·1	220	155.6	155.6	280	198·0	198.0
41	29·0	29.0	101	71·4	71·4	161	113·8	113·8	221	156·3	156·3	281	198.7	198.7
42	29·7	29.7	102	72·1	72·1	162	114·6	114·6	222	157·0	157·0	282	199.4	199.4
43	30·4	30.4	103	72·8	72·8	163	115·3	115·3	223	157·7	157·7	283	200.1	200.1
44	31·1	31.1	104	73·5	73·5	164	116·0	116·0	224	158·4	158·4	284	200.8	200.8
45	31·8	31.8	105	74·2	74·2	165	116·7	116·7	225	159·1	159·1	285	201.5	201.5
46 47 48 49 50	32·5 33·2 33·9 34·6 35·4	32·5 33·2 33·9 34·6 35·4	106 107 108 109 110	75.7 76.4 77.1 77.8	75·0 75·7 76·4 77·1 77·8	166 167 168 169 170	117.4 118.1 118.8 119.5 120.2	117·4 118·1 118·8 119·5 120·2	226 227 228 229 230	159.8 160.5 161.2 161.9 162.6	159.8 160.5 161.2 161.9 162.6	286 287 288 289 290	202·2 202·9 203·6 204·4 205·1	202·2 202·9 203·6 204·4 205·1
51	36·1	36·1	111	78·5	78·5	171	120·9	120.9	231	163·3	163·3	291	205·8	205.8
52	36·8	36·8	112	79·2	79·2	172	121·6	121.6	232	164·0	164·0	292	206·5	206.5
53	37·5	37·5	113	79·9	79·9	173	122·3	122.3	233	164·8	164·8	293	207·2	207.2
54	38·2	38·2	114	80·6	80·6	174	123·0	123.0	234	165·5	165·5	294	207·9	207.9
55	38·9	38·9	115	81·3	81·3	175	123·7	123.7	235	166·2	166·2	295	208·6	208.6
56	39·6	39.6	116	82·0	82.0	176	124·5	124·5	236	166.9	166.9	296	209·3	209·3
57	40·3	40.3	117	82·7	82.7	177	125·2	125·2	237	167.6	167.6	297	210·0	210·0
58	41·0	41.0	118	83·4	83.4	178	125·9	125·9	238	168.3	168.3	298	210·7	210·7
59	41·7	41.7	119	84·1	84.1	179	126·6	126·6	239	169.0	169.0	299	211·4	211·4
60	42·4	42.4	120	84·9	84.9	180	127·3	127·3	240	169.7	169.7	300	212·1	212·1
Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.	Dist.	Dep.	Lat.

Inter-	Log.	Log.	Inter-	Log.	Log.	Inter-	Log.	Log.	Inter-	Log.	Log.
val.	Α.	В.	val.	Α.	В.	val.	Α.	В.	val.	A.	В.
H. M. 2 0 2 4 6 8 10	7·7297 ·7298 ·7300 ·7302 ·7304 ·7305	7·7146 ·7143 ·7139 ·7136 ·7132 ·7128	H. M. 4 0 2 4 6 8 10	7·7447 ·7451 ·7454 ·7458 ·7461 ·7464	7.6823 .6815 .6807 .6800 .6792 .6784	H.M. 6 0 2 4 6 8 10	7·7703 ·7708 ·7713 ·7719 ·7724 ·7729	7.6198 .6184 .6170 .6156 .6142 .6127	H. M. 8 0 2 4 6 8 10	7*8072 *8079 *8086 *8094 *8101 *8108	7.5062 .5036 .5010 .4983 .4957 .4930
12	·7307	·7125	12	*7468	·6776	12	•7735	*6113	12	*8116	·4902
14	·7309	·7121	14	*7472	·6768	14	•7740	*6098	14	*8123	·4874
16	·7311	·7117	16	*7475	·6759	16	•7745	*6083	16	*8130	·4846
18	·7313	·7113	18	*7479	·6751	18	•7751	*6068	18	*8138	·4818
20	·7315	·7109	20	*7482	·6743	20	•7756	*6053	20	*8145	·4789
22	*7317	·7105	22	*7486	*6734	22	•7762	*6038	22	*8153	·4760
24	*7319	·7101	24	*7490	*6726	24	•7767	*6023	24	*8160	·4731
26	*7321	·7097	26	*7494	*6717	26	•7773	*6007	26	*8168	·4701
28	*7323	·7092	28	*7497	*6708	28	•7779	*5991	28	*8176	·4671
30	*7325	·7088	30	*7501	*6700	30	•7784	*5975	30	*8183	·4640
32	·732 <b>7</b>	*7083	32	*7505	*6691	32	*7790	*5959	32	*8191	*4609
34	·732 <b>9</b>	*7079	34	*7509	*6682	34	*7796	*5943	34	*8199	*4578
36	·733 <b>1</b>	*7075	36	*7513	*6673	36	*7801	*5927	36	*8206	*4546
38	·7333	*7070	38	*7517	*6663	38	*7807	*5910	38	*8214	*4514
40	·7336	*7065	40	*7521	*6654	40	*7813	*5894	40	*8222	*4482
42	•7338	*7061	42	•7525	*6645	42	·7819	*5877	42	*8230	·4449
44	•7340	*7056	44	•7529	*6635	44	·7825	*5860	44	*8238	·4415
46	•7342	*7051	46	•7533	*6626	46	·7831	*5843	46	*8246	·4381
48	•7345	*7046	48	•7537	*6616	48	·7836	*5825	48	*8254	·4347
50	•7347	*7041	50	•7541	*6606	50	·7842	*5808	50	*8262	·4312
52	•7349	·7036	52	*7545	·6597	52	*7848	*5790	52	*8270	·4277
54	•7352	·7031	54	*7549	·6587	54	*7854	*5772	54	*8278	·4241
56	•7354	·7026	56	*7553	·6577	56	*7860	*5754	56	*8286	·4205
58	•7357	·7021	58	*7557	·6567	58	*7867	*5736	58	*8294	·4168
3 0	•7359	·7015	5 0	*7562	·6556	7 0	*7873	*5717	9 0	*8302	·4131
2	*7362	•7010	2	•7566	*6546	2	·7879	*5699	2	*8311	·4093
4	*7364	•7005	4	•7570	*6536	4	·7885	*5680	4	*8319	·4055
6	*7367	•6999	6	•7575	*6525	6	·7891	*5661	6	*8328	·4016
8	*7369	•6993	8	•7579	*6514	8	·7898	*5641	8	*8336	·3977
10	*7372	•6988	10	•7583	*6504	10	·7904	*5622	10	*8344	·3937
12	•7374	*6982	12	*7588	*6493	12	·7910	*5602	12	*8353	*3896
14	•7377	*6976	14	*7592	*6482	14	·7916	*5582	14	*8361	*3855
16	•7380	*6970	16	*7597	*6471	16	·7923	*5562	16	*8370	*3813
18	•7383	*6964	18	*7601	*6460	18	·7929	*5542	18	*8378	*3771
20	•7386	*6958	20	*7606	*6448	20	·7936	*5522	20	*8387	*3728
22	·7388	*6952	22	•7610	*6437	22	*7942	*5501	22	*8396	*3684
24	·7391	*6946	24	•7615	*6425	24	*7949	*5480	24	*8404	*3639
26	·7394	*6940	26	•7620	*6414	26	*7955	*5459	26	*8413	*3594
28	·7397	*6934	28	•7624	*6402	28	*7962	*5437	28	*8422	*3548
30	·7400	*6927	30	•7629	*6390	30	*7969	*5416	30	*8430	*3501
32	*7403	*6921	32	•7634	*6378	32	•7975	*5394	32	*8439	*3454
34	*7406	*6914	34	•7638	*6366	34	•7982	*5372	34	*8448	*3406
36	*7409	*6908	36	•7643	*6354	36	•7989	*5350	36	*8457	*3357
38	*7412	*6901	38	•7648	*6342	38	•7995	*5327	38	*8466	*3307
40	*7415	*6894	40	•7653	*6329	40	•8002	*5304	40	*8475	*3256
42	•7418	*6888	42	•7658	*6317	42	*8009	*5281	42	*8484	*3205
44	•7421	*6881	44	•7663	*6304	44	*8016	*5258	44	*8493	*3152
46	•7424	*6874	46	•7668	*6291	46	*8023	*5234	46	*8502	*3099
48	•7428	*6867	48	•7673	*6278	48	*8030	*5211	48	*8511	*3045
50	•7431	*6859	50	•7678	*6265	50	*8037	*5186	50	*8520	*2989
52	*7434	*6852	52	*7683	*6252	52	*8044	*5162	52	*8530	·2933
54	*7437	*6845	54	*7688	*6239	54	*8051	*5137	54	*8539	·2876
56	*7441	*6838	56	*7693	*6225	56	*8058	*5112	56	*8548	·2817
58	*7444	*6830	58	*7698	*6212	58	*8065	*5087	58	*8558	·2758
4 0	7*7447	7*6823	6 0	7*7703	7*6198	8 0	7*8072	7*5062	10 0	7 *8567	7·2697

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						2.4.111	2.4.1.1.	2,41114	200.1111	272.111.	DEIII.	DIIII.
	0	1	2	3	4	5	6	7	8	9	10	11
0 1 2 3 4 5	Infinite.	1·38021	1.07918	90309	77815	68124	60206	53511	47712	42597	38021	33882
	3·15836	1·37303	1.07558	90069	77635	67980	60086	53408	47622	42517	37949	33816
	2·85733	1·36597	1.07200	89829	77455	67836	59966	53305	47532	42436	37877	33751
	2·68124	1·35902	1.06846	89591	77276	67692	59846	53202	47442	42356	37805	33685
	2·55630	1·35218	1.06494	89355	77097	67549	59726	53100	47352	42276	37733	33620
	2·45939	1·34545	1.06145	89119	76920	67406	59607	52997	47262	42197	37661	33554
6	2:38021	1:33882	1.05799	88885	76743	67264	59488	52895	47173	42117	37589	33489
7	2:31327	1:33229	1.05456	88652	76567	67123	59370	52794	47083	42038	37518	33424
8	2:25527	1:32585	1.05115	88421	76391	66981	59252	52692	46994	41958	37446	33359
9	2:20412	1:31951	1.04777	88190	76216	66841	59134	52591	46905	41879	37375	33294
10	2:15836	1:31327	1.04442	87961	76042	66700	59016	52490	46817	41800	37303	33229
11	2·11697	1.30711	1.04109	87733	75869	66560	58899	52389	46728	41721	37232	33164
12	2·07918	1.30103	1.03779	87506	75696	66421	58782	52288	46640	41642	37161	33099
13	2·04442	1.29504	1.03451	87281	75524	66282	58665	52188	46552	41564	37090	33035
14	2·01224	1.28913	1.03126	87056	75353	66143	58549	52087	46464	41485	37020	32970
15	1·98227	1.28330	1.02803	86833	75182	66005	58433	51987	46376	41407	36949	32906
16	1.95424	1.27755	1.02482	86611	75012	65868	58318	51888	46288	41329	36878	32842
17	1.92791	1.27187	1.02164	86390	74843	65730	58202	51788	46201	41251	36808	32778
18	1.90309	1.26627	1.01848	86170	74674	65594	58087	51689	46113	41173	36738	32713
19	1.87961	1.26074	1.01535	85951	74506	65457	57972	51590	46026	41095	36667	32649
20	1.85733	1.25527	1.01224	85733	74339	65321	57858	51491	45939	41018	36597	32585
21	1.83614	1.24988	1:00914	85517	74172	65186	57744	51393	45853	40940	36527	32522
22	1.81594	1.24455	1:00608	85301	74006	65051	57630	51294	45766	40863	36457	32458
23	1.79664	1.23929	1:00303	85087	73841	64916	57516	51196	45680	40786	36388	32394
24	1.77815	1.23408	1:00000	84873	73676	64782	57403	51098	45593	40709	36318	32331
25	1.76042	1.22894	0:99700	84661	73512	64648	57290	51000	45507	40632	36248	32267
26	1.74339	1·22387	0.99401	84450	73348	64514	57178	50903	45421	40555	36179	32204
27	1.72700	1·21884	0.99105	84239	73185	64382	57065	50806	45336	40478	36110	32141
28	1.71121	1·21388	0.98810	84030	73023	64249	56953	50709	45250	40402	36040	32078
29	1.69597	1·20897	0.98518	83822	72861	64117	56841	50612	45165	40325	35971	32014
30	1.68124	1·20412	0.98227	83614	72700	63985	56730	50515	45079	40249	35902	31951
31	1.66700	1·19932	0°97939	83408	72539	63854	56619	50419	44994	40173	35833	31889
32	1.65321	1·19458	0°97652	83203	72379	63723	56508	50323	44909	40097	35765	31826
33	1.63985	1·18988	0°97367	82998	72220	63592	56397	50227	44825	40021	35696	31763
34	1.62688	1·18524	0°97084	82795	72061	63462	56287	50131	44740	39945	35627	31700
35	1.61430	1·18064	0°96803	82593	71903	63332	56177	50035	44656	39870	35559	31638
36	1.60206	1·17609	0°96524	82391	71745	63202	56067	49940	44571	39794	35491	31575
37	1.59016	1·17159	0°96246	82190	71588	63073	55957	49845	44487	39719	35422	31513
38	1.57858	1·16714	0°95971	81991	71432	62945	55848	49750	44403	39644	35354	31451
39	1.56730	1·16273	0°95697	81792	71276	62816	55739	49655	44320	39569	35286	31389
40	1.55630	1·15836	0°95424	81594	71121	62688	55630	49560	44236	39494	35218	31327
41	1.54558	1·15404	0°95154	81397	70966	62561	55522	49466	44153	39419	35151	31265
42	1.53511	1·14976	0°94885	81201	70811	62434	55414	49372	44069	39344	35083	31203
43	1.52490	1·14554	0°94618	81006	70658	62307	55306	49278	43986	39270	35015	31141
44	1.51491	1·14133	0°94352	80812	70505	62181	55198	49185	43903	39195	34948	31079
45	1.50515	1·13717	0°94088	80618	70352	62054	55091	49091	43820	39121	34880	31017
46	1:49561	1·13306	0.93826	80426	70200	61929	54984	48998	43738	39047	34813	30956
47	1:48627	1·12898	0.93565	80234	70048	61803	54877	48905	43655	38973	34746	30894
48	1:47712	1·12494	0.93305	80043	69897	61678	54770	48812	43573	38899	34679	30833
49	1:46817	1·12094	0.93048	79853	69747	61554	54664	48719	43491	38825	34612	30772
50	1:45939	1·11697	0.92791	79664	69597	61430	54558	48627	43409	38751	34545	30710
51	1·45079	1·11304	0°92537	79475	69447	61306	54452	48534	43327	38678	34478	30649
52	1·44236	1·10915	0°92284	79288	69298	61182	54347	48442	43245	38604	34412	30588
53	1·43409	1·10529	0°92032	79101	69150	61059	54241	48350	43164	38531	34345	30527
54	1·42597	1·10146	0°91781	78915	69002	60936	54136	48259	43082	38458	34279	30467
55	1·41800	1·09767	0°91533	78730	68854	60814	54032	48167	43001	38385	34212	30406
56	1·41018	1.09391	0.91285	78545	68707	60691	53927	48076	42920	38312	34146	30345
57	1·40249	1.09018	0.91039	78362	68561	60570	53823	47985	42839	38239	34080	30284
58	1·39494	1.08648	0.90794	78179	68415	60448	53719	47894	42758	38166	34014	30224
59	1·38751	1.08282	0.90551	77997	68269	60327	53615	47803	42677	38094	33948	30163

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0	12	13	14	15	16	17	18	19	20	21	22	23
	30103	26627	23408	20412	17609	14976	12494	10146	07918	05799	03779	01848
1	30043	26571	23357	20364	17564	14934	12454	10108	7882	5765	3746	1817
2 3	29983	26516	23305	20316	17519	14891	12414	10070	7846	5730	3713	1786
	29923	26460	23254	20268	17474	14849	12374	10032	7810	5696	3680	1754
5	29863	26405	23202	20220	17429	14806	12333	9994	7774	5662	3648	1723
	29803	26349	23151	20172	17384	14764	12293	9956	7738	5627	3615	1691
6 7	29743	26294	23099	20124	17339	14722	12253	9918	7702	5593	3582	1660
8	29683 29623	26239 26184	23048 22997	20076 20028	17294 17249	14679 14637	12213 $12173$	9880 9842	7666 7630	5559 5524	3549 3517	1629 1597
9	29564 29504	26129 26074	22946 22894	19980 19932	17204 17159	14595 14553	12134 $12094$	9804 9767	7594 7558	5490 5456	3484 3451	1566 1535
11 12	29445	26019	22843	19885	17114 17070	14511 14468	12054	9729	7522	5422	3419	1504
13	29385 29326	25964 25909	22792 22741	19837 19789	17025	14426	12014 11974	9691 9653	7486 7450	5388 5354	3386 3353	1472 1441
14	29267	25854	22691	19742	16980	14384	11935	9616	7415	5319	3321	1410
15	29208	25800	22640	19694	16936	14342	<b>1</b> 1895	9578	7379	5285	3288	1379
16	29149	25745	22589	19647	16891	14300	11855	9541	7343	525 <b>1</b>	3256	1348
17	29090	25691	22538	19599	16847	14258	11816	9503	7307	5217	3223	1317
18	29031	25636	22488	19552	16802	14217	11776	9466	7272 7236	5183	3191	1286
19	28972	25582	22437	19505	16758	14175	11737	9428	7236	5149	3158	1255
20	28913	25527	22387	19458	16714	14133	11697	9391		5115	3126	1224
21 22	28855	25473	22336	19410	16669	14091	11658	9353	7165	5081	3093	1193
	28796	25419	22286	19363	16625	14050	11618	9316	7129	5048	3061	1162
23 24	28737	25365	22235	19316 19269	16581	14008	11579	9278	7094	5014	3029	1131
25	28679 28621	2531 <b>1</b> 25257	22185 22135	19209 19222	16537 16493	13966 13925	11539 11500	9241 9204	7058 7023	4980 4946	2996 2964	1100 1069
26	28562	25203	22085	19175	16449	13883	11461	9167	6987	4912	2932	1038
27	28504	25149	22034	19128	16405	13842	11422	9129	6952	4879	2900	1007
28	28446	25095	21984	19082	16361	13800	11382	9092	6917	4845	2867	976
	28388	25042	21934	19035	16317	13759	11343	9055	6881	4811	2835	945
30	28330	24983	21884	18988	16273	13717	11304	9018	6846	4777	2803	914
31	28272	24934	21835	18941	16229	13676	11265	898 <b>1</b>	6811	4744	2771	884
32	28215	24881	21785	18895	16185	13635	11226	8944	6775	4710	2739	853
33	28157	24827	21735	18848	16141	13594	11187	8907	6740	4677	2707	822
34	28099	24774	21685	18802	16098	13552	11148	8870	6705	4643	2675	791
35	28042	24721	21636	18755	16054	13511	11109	8833	6670	4609	2642	761
36 37	27984	24667	21586	18709	16010	13470	11070	8796	6634	4576	2610	730
	27927	24614	21536	18662	15967	13429	11031	8759	6599	4542	2578	699
38	27869	24561	21487	18616	15923	13388	10992	8722	6564	4509	2546	669
39	27812	24508	21437	18570	15880	13347	10953	8685	6529	4475	2514	638
40	27755	24455	21388	18524	15836	13306	10915	8648	6494	4442	2482	608
41 42	27698	24402	21339	18477	15793	13265	10876	8611	6459	4409	2451	577
	27641	24349	21290	18431	15750	13224	10837	8575	6424	4375	2419	546
43	27584	24296	21240	18385	15706	13183	10798	8538	6389	4342	2387	516
	27527	24244	21191	18339	15663	13142	10760	8501	6354	4309	2355	485
45	27470	24191	21142	18293	15620	13101	10721	8465	6319	4275	2323	455
46	27413	24138	21093	18247	15577	13061	10683	8428	6285	4242	2291	424
	27357	24086	21044	18201	15533	13020	10644	8391	6250	4209	2260	394
48	27300	24033	20995	18156	15490	12979	10605	8355	6215	4176	2228	364
49	27244	23981	20946	18110	15447	12939	10567	8318	6180	4142	2196	333
50	27187	23929	20897	18064	15404	12898	10529	8282	6145	4109	2164	303
51	27132	23876	20849	18018	15361	12857	10490	8245	6111	4076	2133	272
52	27075	23824	20800	17973	15318	12817	10452	8209	6076	4043	2101	242
53	27018	23772	20751	17927	15275	12776	10413	8172	6041	4010	2069	212
54	26962	23720	20703	17882	15233	12736	10375	8136	6007	3977	2038	181
55	26906	23668	20654	17836	15190	12696	10337	8100	5972	3944	2006	151
56	26850	23616	20606	17791	15147	12655	10299	8063	5937	3911	1975	121
57	26794	23564	20557	17745	15104	12615	10260	8027	5903	3878	1943	91
58	26738	23512	20509	17700	15062	12574	10222	7991	5868	3845	1911	60
59	26683	23460	20460	17655	15019	12534	10184	7954	5834	3812	1880	30

# O DEGREE, OR O HOUR.

"	0′	1′	2	3′	4'	5′	6′	7′	8′	9′
0	Infinite.	2·25527	1.95424	1.77815	1.65321	1.55630	1.47712	1.41017	1.35218	1·30103
1	4.03342	2·24809	1.95064	1.77575	1.65141	1.55486	1.47592	1.40914	1.35128	1·30023
2	3.73239	2·24103	1.94706	1.77335	1.64961	1.55342	1.47472	1.40811	1.35038	1·29942
3	3.55630	2·23408	1.94352	1.77097	1.64782	1.55198	1.47352	1.40708	1.34948	1·29862
4	3.43136	2·22724	1.94000	1.76861	1.64603	1.55055	1.47232	1.40606	1.34858	1·29782
5	3.33445	2·22051	1.93651	1.76625	1.64426	1.54912	1.47113	1.40503	1.34768	1·29703
6	3·25527	2·21388	1.93305	1.76391	1.64249	1.54770	1:46994	1.40401	1:34679	1·29623
7	3·18833	2·20735	1.92962	1.76158	1.64073	1.54629	1:46876	1.40300	1:34589	1·29544
8	3·13033	2·20091	1.92621	1.75927	1.63897	1.54487	1:46758	1.40198	1:34500	1·29464
9	3·07918	2·19457	1.92283	1.75696	1.63722	1.54347	1:46640	1.40097	1:34411	1·29385
10	3·03342	2·18833	1.91948	1.75467	1.63548	1.54206	1:46522	1.39996	1:34323	1·29306
11	2.99203	2·18217	1.91615	1.75239	1.63375	1.54066	1:46405	1·39895	1.34234	1·29227
12	2.95424	2·17609	1.91285	1.75012	1.63202	1.53927	1:46288	1·39794	1.34146	1·29148
13	2.91948	2·17010	1.90957	1.74787	1.63030	1.53788	1:46171	1·39694	1.34058	1·29070
14	2.88730	2·16419	1.90632	1.74562	1.62859	1.53649	1:46055	1·39593	1.33970	1·28991
15	2.85733	2·15836	1.90309	1.74339	1.62688	1.53511	1:45939	1·39493	1.33882	1·28913
16	2.82930	2·15261	1.89988	1 74117	1.62518	1.53374	1.45824	1·39394	1:33794	1·28835
17	2.80297	2·14693	1.89670	1 73896	1.62349	1.53236	1.45708	1·39294	1:33707	1·28757
18	2.77815	2·14133	1.89354	1 73676	1.62180	1.53100	1.45593	1·39195	1:33619	1·28679
19	2.75467	2·13580	1.89041	1 73457	1.62012	1.52963	1.45478	1·39096	1:33532	1·28601
20	2.73239	2·13033	1.88730	1 73239	1.61845	1.52827	1.45364	1·38997	1:33445	1·28524
21	2.71120	2·12494	1.88420	1.73023	1.61678	1.52692	1.45250	1.38899	1·33359	1·28446
22	2.69100	2·11961	1.88114	1.72807	1.61512	1.52557	1.45136	1.38800	1·33272	1·28369
23	2.67170	2·11435	1.87809	1.72593	1.61347	1.52422	1.45022	1.38702	1·33186	1·28292
24	2.65321	2·10914	1.87506	1.72379	1.61182	1.52288	1.44909	1.38604	1·33099	1·28215
25	2.63548	2·10400	1.87206	1.72167	1.61018	1.52154	1.44796	1.38506	1·33013	1·28138
26	2.61845	2·09893	1.86907	1.71956	1.60854	1.52021	1.44684	1:38409	1·32927	1·28061
27	2.60206	2·09390	1.86611	1.71745	1.60691	1.51888	1.44571	1:38312	1·32842	1·27984
28	2.58627	2·08894	1.86316	1.71536	1.60529	1.51755	1.44459	1:38215	1·32756	1·27908
29	2.57103	2·08403	1.86024	1.71328	1.60367	1.51623	1.44347	1:38118	1·32671	1·27831
30	2.55630	2·07918	1.85733	1.71120	1.60206	1.51491	1.44236	1:38021	1·32585	1·27755
31	2·54206	2.07438	1.85445	1.70914	1.59885	1.51360	1:44125	1·37925	1·32500	1·27679
32	2·52827	2.06964	1.85158	1.70709	1.59885	1.51229	1:44014	1·37829	1·32415	1·27603
33	2·51491	2.06494	1.84873	1.70504	1.59726	1.51098	1:43903	1·37733	1·32331	1·27527
34	2·50194	2.06030	1.84590	1.70301	1.59567	1.50968	1:43793	1·37637	1·32246	1·27451
35	2·48936	2.05570	1.84309	1.70099	1.59409	1.50838	1:43683	1·37541	1·32162	1·27376
36	2·47712	2.05115	1.84030	1.69897	1.59251	1.50708	1.43573	1.37446	1·32077	1·27300
37	2·46522	2.04665	1.83752	1.69696	1.59094	1.50579	1.43463	1.37351	1·31993	1·27225
38	2·45364	2.04220	1.83477	1.69497	1.58938	1.50451	1.43354	1.37256	1·31909	1·27150
39	2·44236	2.03779	1.83203	1.69298	1.58782	1.50322	1.43245	1.37161	1·31826	1·27075
40	2·43136	2.03342	1.82930	1.69100	1.58627	1.50194	1.43136	1.37067	1·31742	1·27000
41	2·42064	2.02910	1·82660	1.68903	1.58472	1.50067	1.43028	1·36972	1·31659	1.26925
42	2·41017	2.02482	1·82391	1.68707	1.58317	1.49940	1.42920	1·36878	1·31575	1.26850
43	2·39996	2.02060	1·82124	1.68512	1.58164	1.49813	1.42812	1·36784	1·31492	1.26776
44	2·38997	2.01639	1·81858	1.68318	1.58011	1.49687	1.42704	1·36691	1·31409	1.26701
45	2·38021	2.01223	1·81594	1.68124	1.57858	1.49560	1.42597	1·36597	1·31326	1.26627
46	2:37067	2:00812	1·81332	1.67932	1.57706	1·49435	1.42490	1·36504	1·31244	1·26553
47	2:36133	2:00404	1·81071	1.67740	1.57554	1·49309	1.42383	1·36411	1·31161	1·26479
48	2:35218	2:00000	1·80811	1.67549	1.57403	1·49184	1.42276	1·36318	1·31079	1·26405
49	2:34323	1:99600	1·80554	1.67359	1.57253	1·49060	1.42170	1·36225	1·30997	1·26331
50	2:33445	1:99203	1·80297	1.67170	1.57103	1·48936	1.42064	1·36133	1·30915	1·26257
51	2:32585	1.98810	1.80043	1.66981	1.56953	1.48812	1.41958	1.36040	1:30833	1·26184
52	2:31742	1.98421	1.79790	1.66794	1.56804	1.48688	1.41853	1.35948	1:30751	1·26110
53	2:30915	1.98035	1.79538	1.66607	1.56656	1.48565	1.41747	1.35856	1:30670	1·26037
54	2:30103	1.97652	1.79287	1.66421	1.56508	1.48442	1.41642	1.35765	1:30588	1·25964
55	2:29306	1.97273	1.79039	1.66236	1.56360	1.48320	1.41538	1.35673	1:30507	1·25891
56 57 58 59 60	2·28524 2·27755 2·27000 2·26257 2·25527	1.96897 1.96524 1.96154 1.95788 1.95424	1.78791 1.78545 1.78300 1.78057 1.77815	1.65868 1.65685 1.65503 1.65321	1.56213 1.56067 1.55921 1.55775 1.55630	1.48197 1.48076 1.47954 1.47833 1.47712	1:41433 1:41329 1:41225 1:41121 1:41017	1·35582 1·35491 1·35400 1·35309 1·35218	1:30426 1:30345 1:30264 1:30183 1:30103	1·25818 1·25745 1·25672 1·25600 1·25527
l										

O DEGREE, OR O	Hour.
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"	10′	11'	12'	13′	14'	, 15′	16'	17′	18′	19'
0	1.25527	1·21388	1·17609	1·14133	1·10914	1.07918	1.05115	1.02482	1.00000	0.97652
1	1.25455	1·21322	1·17549	1·14077	1·10863	1.07870	1.05070	1.02440	0.99960	0.97614
2	1.25383	1·21257	1·17489	1·14022	1·10811	1.07822	1.05025	1.02397	0.99920	0.97576
3	1.25311	1·21191	1·17429	1·13966	1·10760	1.07774	1.04980	1.02355	0.99880	0.97538
4	1.25239	1·21126	1·17369	1·13911	1·10708	1.07726	1.04935	1.02312	0.99839	0.97500
5	1.25167	1·21060	1·17309	1·13855	1·10657	1.07678	1.04890	1.02270	0.99799	0.97462
6	1.25095	1·20995	1·17249	1·13800	1·10605	1.07630	1.04845	1.02228	0.99759	0.97424
7	1.25024	1·20930	1·17189	1·13745	1·10554	1.07582	1.04800	1.02185	0.99719	0.97386
8	1.24952	1·20865	1·17129	1·13690	1·10503	1.07534	1.04755	1.02143	0.99679	0.97348
9	1.24881	1·20800	1·17070	1·13635	1·10452	1.07486	1.04710	1.02101	0.99640	0.97310
10	1.24809	1·20735	1·17010	1·13580	1·10400	1.07438	1.04665	1.02059	0.99600	0.97273
11	1·24738	1·20670	1·16951	1·13525	1·10349	1.07391	1.04620	1.02017	0.99560	0.97235
12	1·24667	1·20605	1·16891	1·13470	1·10298	1.07343	1.04576	1.01974	0.99520	0.97197
13	1·24596	1·20541	1·16832	1·13415	1·10247	1.07295	1.04531	1.01932	0.99480	0.97159
14	1·24526	1·20476	1·16773	1·13360	1·10197	1.07248	1.04486	1.01890	0.99441	0.97122
15	1·24455	1·20412	1·16714	1·13306	1·10146	1.07200	1.04442	1.01848	0.99401	0.97084
16	1·24384	1·20348	1·16655	1·13251	1·10095	1.07153	1.04397	1.01806	0°99361	0.97047
17	1·24314	1·20284	1·16596	1·13197	1·10044	1.07105	1.04353	1.01764	0°99322	0.97009
18	1·24244	1·20219	1·16537	1·13142	1·09994	1.07058	1.04308	1.01723	0°99282	0.96972
19	1·24173	1·20155	1·16478	1·13088	1·09943	1.07011	1.04264	1.01681	0°99243	0.96934
20	1·24103	1·20091	1·16419	1·13033	1·09893	1.06964	1.04220	1.01639	0°99203	0.96897
21	1·24033	1·20028	1·16361	1·12979	1.09842	1.06916	1.04175	1.01597	0.99164	0.96859
22	1·23963	1·19964	1·16302	1·12925	1.09792	1.06869	1.04131	1.01556	0.99124	0.96822
23	1·23894	1·19900	1·16243	1·12871	1.09741	1.06822	1.04087	1.01514	0.99085	0.96784
24	1·23824	1·19837	1·16185	1·12817	1.09691	1.06775	1.04043	1.01472	0.99045	0.96747
25	1·23754	1·19773	1·16127	1·12763	1.09641	1.06728	1.03999	1.01431	0.99006	0.96710
26	1·23685	1·19710	1.16068	1·12709	1.09591	1.06681	1.03955	1.01389	0.98967	0.96673
27	1·23616	1·19647	1.16010	1·12655	1.09540	1.06634	1.03911	1.01348	0.98928	0.96635
28	1·23546	1·19584	1.15952	1·12601	1.09490	1.06588	1.03867	1.01306	0.98888	0.96598
29	1·23477	1·19520	1.15894	1·12548	1.09440	1.06541	1.03823	1.01265	0.98849	0.96561
30	1·23408	1·19457	1.15836	1·12494	1.09390	1.06494	1.03779	1.01223	0.98810	0.96524
31	1·23339	1·19395	1·15778	1·12440	1.09341	1.06447	1.03735	1.01182	0.98771	0.96487
32	1·23271	1·19332	1·15721	1·12387	1.09291	1.06401	1.03691	1.01141	0.98732	0.96450
33	1·23202	1·19269	1·15663	1·12333	1.09241	1.06354	1.03647	1.01100	0.98693	0.96413
34	1·23133	1·19206	1·15605	1·12280	1.09191	1.06308	1.03604	1.01058	0.98654	0.96376
35	1·23065	1·19144	1·15548	1·12227	1.09142	1.06261	1.03560	1.01017	0.98615	0.96339
36	1·22997	1·19081	1·15490	1·12173	1.09092	1.06215	1.03516	1.00976	0.98576	0.96302
37	1·22928	1·19019	1·15433	1·12120	1.09042	1.06168	1.03473	1.00935	0.98537	0.96265
38	1·22860	1·18957	1·15375	1·12067	1.08993	1.06122	1.03429	1.00894	0.98498	0.96228
39	1·22792	1·18895	1·15318	1·12014	1.08943	1.06076	1.03386	1.00853	0.98459	0.96191
40	1·22724	1·18833	1·15261	1·11961	1.08894	1.06030	1.03342	1.00812	0.98421	0.96154
41	1·22657	1·18771	1·15204	1·11908	1.08845	1.05983	1.03299	1.00771	0.98382	0.96117
42	1·22589	1·18709	1·15147	1·11855	1.08796	1.05937	1.03256	1.00730	0.98343	0.96081
43	1·22521	1·18647	1·15090	1·11802	1.08746	1.05891	1.03212	1.00689	0.98304	0.96044
44	1·22454	1·18585	1·15033	1·11750	1.08697	1.05845	1.03169	1.00648	0.98266	0.96007
45	1·22386	1·18523	1·14976	1·11697	1.08648	1.05799	1.03126	1.00607	0.98227	0.95971
46	1·22319	1·18462	1·14919	1·11644	1.08599	1.05753	1.03083	1.00567	0.98189	0.95934
47	1·22252	1·18400	1·14863	1·11592	1.08550	1.05707	1.03039	1.00526	0.98150	0.95897
48	1·22185	1·18339	1·14806	1·11539	1.08501	1.05662	1.02996	1.00485	0.98111	0.95861
49	1·22118	1·18278	1·14750	1·11487	1.08452	1.05616	1.02953	1.00445	0.98073	0.95824
50	1·22051	1·18217	1·14693	1·11435	1.08403	1.05570	1.02910	1.00404	0.98035	0.95788
51 52 53 54 55	1·21984 1·21918 1·21851 1·21785 1·21718	1·18094 1·18033 1·17973	1.14468	1·11382 1·11330 1·11278 1·11226 1·11174	1.08355 1.08306 1.08257 1.08209 1.08160	1.05524 1.05479 1.05433 1.05388 1.05342	1.02867 1.02824 1.02781 1.02739 1.02696	1.00363 1.00323 1.00282 1.00242 1.00202	0.97996 0.97958 0.97919 0.97881 0.97843	0.95751 0.95715 0.95678 0.95642 0.95606
56 57 58 59 60	1.21652 1.21586 1.21520 1.21454 1.21388	1·17790 1·17730 1·17669	1·14244 1·14189	1·11122 1·11070 1·11018 1·10966 1·10914		1.05251 1.05206 1.05161	1.02525	1.00161 1.00121 1.00080 1.00040 1.00000	0.97805 0.97766 0.97728 0.97690 0.97652	0.95569 0.95533 0.95497 0.95460 0.95424

0	DEGREE,	or 0	Hour.
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"	20′	21'	22'	23'	24'	25'	26′	27'	28'	29′
0	95424	93305	91285	89354	87506	85733	84030	82391	80811	79287
1	95388	93271	91252	89323	87476	85704	84002	82364	80786	79262
2	95352	93236	91219	89292	87446	85675	83974	82337	80760	79238
3	95316	93202	91186	89260	87416	85646	83946	82311	80734	79213
4	95280	93168	91154	89229	87386	85618	83919	82284	80708	79188
5	95244	93133	91121	89197	87356	85589	83891	82257	80682	79163
6	95208	93099	91088	89166	87326	85560	83863	82230	80657	79138
7	95172	93065	91055	89135	87296	85531	83835	82204	80631	79113
8	95136	93030	91023	89103	87266	85502	83808	82177	80605	79088
9	95100	92996	90900	89072	87236	85473	83780	82150	80579	79063
10	95064	92962	90957	89041	87206	85445	83752	82124	80554	79039
11	95028	92928	90925	89010	87176	85416	83725	82097	80528	79014
12	94992	92894	90892	88978	87146	85387	83697	82070	80502	78989
13	94956	92860	90859	88947	87116	85358	83670	82044	80477	78964
14	94921	92825	90827	88916	87086	85330	83642	82017	80451	78939
15	94885	92791	90794	88885	87056	85301	83614	81991	80425	78915
16	94849	92757	90762	88854	87026	85272	83587	81964	80400	78890
17	94813	92723	90729	88823	86996	85244	83559	81938	80374	78865
18	94778	92689	90697	88792	86967	85215	83532	81911	80349	78840
19	94742	92655	90664	88761	86937	85187	83504	81884	80323	78816
20	94706	92621	90632	88730	86907	85158	83477	81858	80297	78791
21	94671	92587	90599	88699	86877	85129	83449	81832	80272	78766
22	94635	92554	90567	88668	86843	85101	83422	81805	80246	78742
23	94600	92520	90535	88637	86818	85072	83394	81779	80221	78717
24	94564	92486	90502	88606	86788	85044	83367	81752	80195	78693
25	94529	92452	90470	88575	86759	85015	83339	81726	80170	78668
26	94493	92418	90438	88544	86729	84987	83312	81699	80144	78643
27	94458	92385	90406	88513	86699	84958	83285	81673	80119	78619
28	94423	92351	90373	88482	86670	84930	83257	81647	80094	78594
29	94387	92317	90341	88451	86649	84902	83230	81620	80068	78570
30	94352	92283	90309	88420	86611	84873	83203	81594	80043	78545
31	94317	92250	90277	88390	86581	84945	83175	81568	80017	78521
32	94281	92216	90245	88359	86552	84916	83148	81541	79992	78496
33	94246	92183	90213	88328	86522	84788	83121	81515	79967	78472
34	94211	92149	90181	88297	86493	84760	83094	81489	79941	78447
35	94176	92115	90148	88267	86463	84732	83066	81463	79916	78423
36	94141	92082	90116	88236	86434	84703	83039	81436	79891	78398
37	94105	92048	90084	88205	86404	84675	83012	81410	79865	78374
38	94070	92015	90052	88175	86375	84647	82985	81384	79840	78349
39	94035	91981	90020	88144	86346	84619	82958	81358	79815	78325
40	94000	91948	89988	88114	86316	84590	82930	81332	79790	78300
41	93965	91915	89957	88083	86287	84562	82903	81305	79764	78276
42	93930	91881	89925	88052	86258	84534	82876	81279	79739	78252
43	93895	91848	89893	88022	86228	84506	82849	81253	79714	78227
44	93860	91815	89861	87991	86199	84478	82822	81227	79689	78203
45	93825	91781	89829	87961	86170	84450	82795	81201	79663	78179
46	93791	91748	89797	87930	86140	84421	82768	81175	79638	78154
47	93756	91715	89766	87900	86111	84393	82741	81149	79613	78130
48	93721	91682	89734	87870	86082	84365	82714	81123	79588	78106
49	93686	91648	89702	87839	86053	84337	82687	81097	79563	78081
50	93651	91615	89670	87809	86024	84309	82660	81071	79538	78057
51	93617	91582	89639	87778	85995	84281	82633	81045	79513	78033
52	93582	91549	89607	87748	85965	84253	82606	81019	79488	78009
53	93547	91516	89575	87718	85936	84225	82579	80993	79463	77984
54	93513	91483	89544	87687	85907	84197	82552	80967	79437	77960
55	93478	91450	89512	87657	85878	84169	82525	80941	79412	77936
56	93443	91417	89481	87627	85849	84141	82498	80915	79387	77912
57	93409	91384	89449	87597	85820	84114	82471	80889	79362	77888
58	93374	91351	89417	87566	85791	84086	82445	80863	79337	77863
59	93340	91318	89386	87536	85762	84058	82418	80837	79312	77839
60	93305	91285	89354	87506	85733	84030	82391	80811	79287	77815

O DEGREE, OR O HO	OUR.
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"	30′	31′	32′	33′	34'	35	36′	37′	38′	39′
0	77815	76391	75012	73676	72379 72358 72337 72316 72294 72273	71120	69897	68707	67549	66421
1	77791	76368	74990	73654		71100	69877	68688	67530	66402
2	77767	76344	74967	73632		71079	69857	68668	67511	66384
3	77743	76321	74944	73610		71058	69837	68648	67492	66365
4	77719	76298	74922	73588		71038	69817	68629	67473	66347
5	77695	76274	74899	73566		71017	69797	68609	67454	66328
6	77671	76251	74877	73544	72252	70997	69777	68590	67435	66310
7	77647	76228	74854	73523	72231	70976	69756	68570	67416	66291
8	77623	76205	74832	73501	72209	70955	69736	68551	67397	66273
9	77599	76181	74809	73479	72183	70935	69716	68531	67378	66254
10	77575	76158	74787	73457	72167	70914	69696	68512	67359	66236
11	77551	76135	74764	73435	72146	70894	69676	68492	67340	66217
12	77527	76112	74742	73413	72125	70873	69656	68473	67321	66199
13	77503	76089	74719	73392	72103	70852	69636	68454	67302	66180
14	77479	76065	74697	73370	72082	70832	69616	68434	67283	66162
15	77455	76042	74674	73348	72061	70811	69596	68415	67264	66143
16	77431	76019	74652	73326	72040	70791	69576	68395	67245	66125
17	77407	75996	74629	73305	72019	70770	69557	68376	67226	66106
18	77383	75973	74607	73283	71998	70750	69537	68356	67207	66088
19	77359	75950	74585	73261	71977	70729	69517	68337	67188	66070
20	77335	75927	74562	73239	71956	70709	69497	68318	67170	66051
21	77311	75903	74540	73218	71935	70688	69477	68298	67151	66033
22	77288	75880	74517	73196	71914	70668	69457	68279	67132	66014
23	77264	75857	74495	73174	71892	70647	69437	68259	67113	65996
24	77240	75834	74473	73153	71871	70627	69417	68240	67094	65978
25	77216	75811	74450	73131	71850	7060 <b>6</b>	69397	68221	67075	65959
26	77192	75788	74428	73109	71829	70586	69377	68201	67056	65941
27	77169	75765	74406	73088	71808	70566	69358	68182	67038	65923
28	77145	75742	74383	73066	71787	70545	69338	68163	67019	65904
29	77121	75719	74361	73044	71766	70525	69318	68143	67000	65886
30	77097	75696	74339	73023	71745	70504	69298	68124	66981	65868
31	77074	75673	74317	73001	71724	70484	69278	68105	66962	65849
32	77050	75650	74294	72980	71703	70464	69258	68086	66944	65831
33	77026	75627	74272	72958	71682	70443	69239	68066	66925	65813
34	77002	75604	74250	72936	71662	70423	69219	68047	66906	65794
35	76979	75581	74228	72915	71641	70403	69199	68028	66887	65776
36	76955	75559	74205	72893	71620	70382	69179	68008	66869	65758
37	76931	75536	74183	72872	71599	70362	69159	67989	66850	65739
38	76908	75513	74161	72850	71578	70342	69140	67970	66831	65721
39	76884	75490	74139	72829	71557	70321	69120	67951	66812	65703
40	76861	75467	74117	72807	71536	70301	69100	67932	66794	65685
41	76837	75444	74095	72786	71515	70281	69080	67912	66775	65666
42	76813	75421	74072	72764	71494	70260	69061	67893	66756	65648
43	76790	75398	74050	72743	71473	70240	69041	67874	66737	65630
44	76766	75376	74028	72721	71453	70220	69021	67855	66719	65612
45	76743	75353	74006	72700	71432	70200	69002	67836	66700	65594
46	76719	75330	73984	72678	71411	70179	68982	67816	66681	65575
47	76696	75307	73962	72657	71390	70159	68962	67797	66663	65557
48	76672	75285	73940	72636	71369	70139	68942	67778	66644	65539
49	76649	75262	73918	72614	71349	70119	68923	67759	66625	65521
50	76625	75239	73896	72593	71328	70099	68903	67740	66607	65503
51	76602	75216	73874	72571	71307	70078	68884	67721	66588	65484
52	76578	75194	73852	72550	71286	70058	68864	67702	66570	65466
53	76555	75171	73830	72529	71265	70038	68844	67682	66551	65448
54	76531	75148	73808	72507	71245	70018	68825	67663	66532	65430
55	76508	75126	73786	72486	71224	69998	68805	67644	66514	65412
56	76485	75103	73764	72465	71203	69977	68785	67625	66495	65394
57	76461	75080	73742	72443	71183	69957	68766	67606	66477	65376
58	76438	75058	73720	72422	71162	69937	68746	67587	66458	65357
59	76414	75035	73698	72401	71141	69917	68727	67568	66439	65339
60	76391	75012	73676	72379	71120	69897	68707	67549	66421	65321
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O DEGREE, C	R 0 Hour.
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"	40'	41'	42'	43'	44'	45'	46'	47'	48'	49'
0	65321	64249	63202	62180	61182	60206	59251	58317	57403	56508
1	65303	64231	63185	62164	61166	60190	59236	58302	57388	56493
2	65285	64214	63168	62147	61149	60174	59220	58287	57373	56478
3	65267	64196	63151	62130	61133	60158	59204	58271	57358	56463
4	65249	64178	63133	62113	61116	60142	59189	58256	57343	56449
5	65231	64161	63116	62096	61100	60126	59173	58241	57328	56434
6	65213	64143	63099	62080	61083	60110	59157	58225	57313	56419
7	65195	64125	63082	62063	61067	60094	59141	58210	57298	56404
8	65177	64108	63065	62046	61051	60078	59126	58194	57283	56390
9	65159	64090	63047	62029	61034	60061	59110	58179	57268	56375
10	65141	64073	63030	62012	61018	60045	59094	58164	57253	56360
11	65123	64055	63013	61996	61001	60029	59079	58148	57238	56345
12	65105	64038	62996	61979	60985	60013	59063	58133	57223	56331
13	65087	64020	62979	61962	60969	59997	59047	58118	57208	56316
14	65069	64002	62962	61945	60952	59981	59032	58102	57193	56301
15	65051	63985	62945	61929	60936	59965	59016	58087	57178	56287
16	65033	63967	62927	61912	60920	59949	59000	58072	57163	56272
17	65015	63950	62910	61895	60903	59933	58985	58056	57148	56257
18	64997	63932	62893	61878	60887	59917	58969	58041	57133	56243
19	64979	63915	62876	61862	60871	59901	58954	58026	57118	56228
20	64961	63897	62859	61845	60854	59885	58938	58011	57103	56213
21	64943	63880	62842	61828	60838	59870	58922	57995	57088	56199
22	64925	63862	62825	61812	60822	59854	58907	57980	57073	56184
23	64907	63845	62808	61795	60805	59838	58891	57965	57058	56169
24	64889	63827	62791	61778	60789	59822	58875	57949	57043	56155
25	64871	63810	62774	61762	60773	59806	58860	57934	57028	56140
26	64853	63792	62757	61745	60756	59790	58844	57919	57013	56125
27	64835	63775	62739	61728	60740	59774	58829	57904	56998	56111
28	64818	63757	62722	61712	60724	59758	58813	57888	56983	56096
29	64800	63740	62705	61695	60708	59742	58798	57873	56968	56081
30	64782	63722	62688	61678	60691	59726	58782	57858	56953	56067
31	64764	63705	62671	61662	60675	59710	58766	57843	56938	56052
32	64746	63688	62654	61645	60659	59694	58751	57827	56923	56037
33	64728	63670	62637	61628	60642	59678	58735	57812	56908	56023
34	64710	63653	62620	61612	60626	59663	58720	57797	56893	56008
35	64692	63635	62603	61595	60610	59647	58704	57782	56879	55994
36	64675	63618	62586	61579	60594	59631	58689	57767	56864	55979
37	64657	63601	62569	61562	60578	59615	58673	57751	56849	55964
38	64639	63583	62552	61545	60561	59599	58658	57736	56834	55950
39	64621	63566	62535	61529	60545	59583	58642	57721	56819	55935
40	64603	63548	62518	61512	60529	59567	58627	57706	56804	55921
41	64586	63531	62501	61496	60513	59551	58611	57691	56789	55906
42	64568	63514	62484	61479	60496	59536	58596	57675	56774	55892
43	64550	63496	62468	61463	60480	59520	58530	57660	56759	55877
44	64532	63479	62451	61446	60464	59504	58565	57645	56745	55862
45	64514	63462	62434	61429	60448	59488	58549	57630	56730	55848
46	64497	63444	62417	61413	60432	59472	58534	57615	56715	55833
47	64479	63427	62400	61396	60416	59457	58518	57600	56700	55819
48	64461	63410	62383	61380	60399	59441	58503	57584	56685	55804
49	64443	63392	62366	61363	60383	59425	58487	57569	56670	55790
50	64426	63375	62349	61347	60367	59409	58472	57554	56656	55775
51	64408	63358	62332	61330	60351	59393	58456	57539	56641	55761
52	64390	63340	62315	61314	60335	59378	58441	57524	56626	55746
53	64373	63323	62298	61297	60319	59362	58425	57509	56611	55732
54	64355	63306	62282	61281	60303	59346	58410	57494	56596	55717
55	64337	63289	62265	61264	60286	59330	58395	57479	56582	55703
56	64320	63271	62248	61248	60270	59314	58379	57463	56567	55688
57	64302	63254	62231	61231	60254	59299	58364	57448	56552	55674
58	64284	63237	62214	61215	60238	59283	58348	57433	56537	55659
59	64267	63220	62197	61198	60222	59267	58333	57418	56522	55645
60	64249	63202	62180	61182	60206	59251	58317	57403	56508	55630

0	DEGRE	EE, O	R 0	Hour.
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н	50′	51'	52	53	<b>54</b> ′	55′	56′	57'	58'	59'
0	55630	54770	53927	53100	52288	51491	50708	49940	49184	48442
1	55616	54756	53913	53086	52274	51478	50696	49927	49172	48430
2	55601	54742	53899	53072	52261	51465	50683	49914	49159	48418
3	55587	54728	53885	53059	52248	51452	50670	49902	49147	48405
4	55572	54714	53871	53045	52234	51438	50657	49889	49135	48393
5	55558	54699	53857	53031	52221	51425	50644	49876	49122	48381
6	55543	54685	53843	53018	52208	51412	50631	49864	49110	48369
7	55529	54671	53830	53004	52194	51399	50618	49851	49097	48356
8	55515	54657	53816	52991	52181	51386	50605	49838	49085	48344
9	55500	54643	53802	52977	52167	51373	50592	49826	49072	48332
10	55486	54629	53788	52963	52154	51360	50579	49813	49060	48320
11	55471	54614	53774	52950	52141	51346	50566	49800	49047	48307
12	55457	54600	53760	52936	52127	51333	50554	49788	49035	48295
13	55442	54586	53746	52922	52114	51320	50541	49775	49023	48283
14	55428	54572	53732	52909	52101	51307	50528	49762	49010	48271
15	55414	54558	53719	52895	52087	51294	50515	49750	48998	48258
16	55399	54544	53705	52882	52074	51281	50502	49737	48985	48246
17	55385	54530	53691	52868	52061	51268	50489	49724	48973	48234
18	55370	54516	53677	52855	52047	51255	50476	49712	48960	48222
19	55356	54501	53663	52841	52034	51242	50464	49699	48948	48210
20	55342	54487	53649	52827	52021	51229	50451	49687	48936	48197
21	55327	54473	53636	52814	52007	51215	50438	49674	48923	48185
22	55313	54459	53622	52800	51994	51202	50425	49661	48911	48173
23	55299	54445	53608	52787	51981	51189	50412	49649	48898	48161
24	55284	54431	53594	52773	51967	51176	50399	49636	48886	48149
25	55270	54417	53580	52760	51954	51163	50387	49623	48874	48136
26	55255	54403	53567	52746	51941	51150	50374	49611	48861	48124
27	55241	54389	53553	52732	51927	51137	50361	49598	48849	48112
28	55227	54375	53539	52719	51914	51124	50348	49586	48836	48100
29	55212	54361	53525	52705	51901	51111	50335	49573	48824	48088
30	55198	54347	53511	52692	51888	51098	50322	49560	48812	48076
31	55184	54332	53498	52678	51874	51085	50310	49548	48799	48063
32	55169	54318	53484	52665	51861	51072	50297	49535	48787	48051
33	55155	54304	53470	52651	51848	51059	50284	49523	48775	48039
34	55141	54290	53456	52638	51835	51046	50271	49510	48762	48027
35	55127	54276	53442	52624	51821	51033	50258	49498	48750	48015
36	55112	54262	53429	52611	51808	51020	50246	49485	48737	48003
37	55098	54248	53415	52597	51795	51007	50233	49472	48725	47990
38	55084	54234	53401	52584	51781	50994	50220	49460	48713	47978
39	55069	54220	53387	52570	51768	50981	50207	49447	48700	47966
40	55055	54206	53374	52557	51755	50968	50194	49435	48688	47954
41	55041	54192	53360	52543	51742	50955	50182	49422	48676	47942
42	55026	54178	53346	52530	51729	50942	50169	49410	48663	47930
43	55012	54164	53332	52516	51715	50929	50156	49397	48651	47918
44	54998	54150	53319	52503	51702	50916	50143	49385	48639	47906
45	54984	54136	53305	52489	51689	50903	50131	49372	48626	47893
46	54969	54122	53291	52476	51676	50890	50118	49360	48614	47881
47	54955	54108	53278	52462	51662	50877	50105	49347	48602	47869
48	54941	54094	53264	52449	51649	50864	50092	49334	48590	47857
49	54927	54080	53250	52436	51636	50851	50080	49322	48577	47845
50	54912	54066	53236	52422	51623	50838	50067	49309	48565	47833
51	54898	54052	53223	52409	51610	50825	50054	49297	48553	47821
52	54884	54038	53209	52395	51596	50812	50041	49284	48540	47809
53	54870	54024	53195	52382	51583	50799	50029	49272	48528	47797
54	54855	54011	53182	52368	51570	50786	50016	49259	48516	47785
55	54841	53997	53168	52355	51557	50773	50003	49247	48503	47772
56	54827	53983	53154	52342	51544	50760	49991	49234	48491	47760
57	54813	53969	53141	52328	51530	50747	49978	49222	48479	47748
58	54799	53955	53127	52315	51517	50734	49965	49209	48467	47736
59	54784	53941	53113	52301	51504	50721	49952	49197	48454	47724
60	54770	53927	53100	52288	51491	50708	49940	49184	48442	47712

1 DEGREE, OR 1 HOUR.

"	0′	1′	2′	3′	4′	5′	6′	7′	8′	9′	10′	11′
0	47712 47700	46994 46982	46288 46276	45593 45582	44909 44898	44236 44225	43573 43562	42920 42909	42276 42266	41642 41632	41017 41007	40401 40391
2	47688	46971	46265	45570	44887	44214	43551	42898	42255	41621	40997	40381
3	47676	46959	46253	45559	44875	44203	43540	42887	42244	41611 41600	40986	40371
5	47664 47652	46947 46935	46241 46230	45547 45536	44864 44853	44191 44180	43529 43518	42877 42866	42234 42223	41590	40976	40361 40350
6	47640	46923	46218	45524	44841	44169	43507	42855	42213	41579	40955	40340
7	47628	46911	46206	45513	44830	44158	43496	42844	42202	41569	40945	40330
8 9	47616 47604	46899 46888	46195 46183	45501 45490	44819 44808	44147 44136	43485	42833 42823	42191 42181	41559 41548	40935	40320 40310
10	47592	46876	46171	45478	44796	44125	43463	42812	42170	41538	40914	40300
11	47580	46864	46160	45467	44785	44114	43452	42801	42159	41527	40904	40289
12 13	47568 47556	46852 46840	46148 46137	45456 45444	44774 44762	44102 44091	43441 43431	42790 42780	42149 42138	41517 41506	40894 40883	40279 40269
14	47544	46828	46125	45433	44751	44080	43420	42769	42128	41496	40873	40259
15	47532	46817	46113	45421	44740	44069	43409	42758	42117	41485	40863	40249
16 17	47520 47508	46S05 46793	46102 46090	45410 45398	44729 44717	44058 44047	43398 43387	42747 42737	42106 42096	41475 41464	40852 40842	40239 40228
18	47496	46781	46078	45387	44706	44036	43376	42726	42085	41454	40832	40218
19	47484 47472	46769 46758	46067 46055	45375 45364	44695 44684	44025 44014	43365 43354	42715 42704	42075 42064	41443 41433	40821 40811	40208 40198
20 21	47460	46746	46044	45353	44672	44003	43343	42693	42053	41423	40801	40188
22	47448	46734	46032	45341	44661	43992	43332	42683	42043	41412	40791	40178
23	47436 47424	46722 46710	46020 46009	45330 45318	44650 44639	43981 43969	43321	42672 42661	42032 42022	41402 41391	40780 40770	40168 40157
24 25	47412	46699	45997	45307	44627	43958	43300	42651	42011	41381	40760	40147
26	47400	46687	45986	45295	44616	43947	43289	42640	42000	41370	40749	40137
27	47388 47376	46675 46663	45974 45962	45284 45273	44605 44594	43936 43925	43278 43267	42629 42618	41990 41979	41360 41350	40739	40127 40117
28 29	47364	46652	45951	45261	44583	43914	43256	42608	41969	41339	40719	40107
30	47352	46640	45939	45250	44571	43903	43245	42597	41958	41329	40708	40097
31	47340	46628	45928 45916	45238 45227	44560 44549	43892 43881	43234 43223	42586 42575	41948 41937	41318 41308	40698 40688	40087 40076
32	47328 47316	46616 46604	45905	45216	44538	43870	43212	42565	41927	41298	40678	40066
34	47304	46593	45893	45204	44526	43859	43202	42554 42543	41916 41905	41287 41277	40667 40657	40056
35	47292	46581	45881 45870	45193 45182	44515 44504	43848 43837	43191 43180	42533	41895	41266	40647	40046
36	47280 47268	46569 46557	45858	45170	44493	43826	43169	42522	41884	41256	40637	40026
38	47256	46546	45847	45159	44482	43815	43158	42511	41874	41246	40626	40016
39 40	47244 47232	46534 46522	45835 45824	45147 45136	44470 44459	43804 43793	43147 43136	42500 42490	41863 41853	41235 41225	40616 40606	40006 39996
41	47220	46510	45812	45125	44448	43782	43126	42479	41842	41214	40596	39985
42	47208	46499	45800	45113	44437	43771	43115	42468 42458	41832	41204	40585	39975
43	47196 47185	46487 46475	45789 45777	45102 45091	44426 44414	43760 43749	43104 43093	42447	41821 41811	41194 41183	40575	39965 39955
45	47173	46464	45766	45079	44403	43738	43082	42436	41800	41173	40555	39945
46	47161	46452	45754	45068	44392	43727	43071	42426	41789	41162	40544	39935
47	47149 47137	46440 46428	45743 45731	45057 45045	443S1 44370	43716 43705	43060 43050	42415 42404	41779 41768	41152 41142	40534 40524	39925 39915
49	47125	46417	45720	45034	44359	43694	43039	42394	41758	41131	40514	39905
50	47113	46405	45708	45022	44347	43683	43028	42383 42372	41747 41737	41121	40503	39895
51 52	47101 47089	46393 46382	45697 45685	45011 45000	44336 44325	43672 43661	43017 43006	42362	41726	41111 41100	40493 40483	39885 39874
53	47077	46370	45674	44988	44314	43650	42995 42985	42351 42340	41716 41705	41090	40473	39864
54 55	47066 47054	46358 46346	45662 45651	44977 44966	44303 44292	43639 43628	42985 42974	42340 42330	41705	41080 41069	40463 40452	39854 39844
56	47042	46335	45639	44955	44280	43617	42963	42319	41684	41059	40442	39834
57	47030	46323	45628	44943	44269	43606	42952	42308	41674	41048	40432	39824
58 59	47018 47006	46311 46300	45616 45605	44932 44921	44258 44247	43595 43584	42941 42931	42298 42287	41663 41653	41038 41028	40422 40412	39814 39804
60	46994	46288	45593	44909	44236	43573	42920	42276	41642	41017	40401	39794
1												

	T			TT	
_	DEGR	Et Et	OP	HOT	TD

"	12'	13′	14′	15′	16′	17′	18'	19′	20′	21'	22'	23'
0	39794	39195	38604	38021	87446	36878	36318	35765	35218	34679	34146	33619
1	39784	39185	38594	38011	37436	36869	36309	35755	35209	34670	34137	33611
2	39774	39175	38585	38002	37427	36859	36299	35746	35200	34661	34128	33602
3	39764	39165	38575	37992	37417	36850	36290	35737	35191	34652	34119	33593
4	39754	39155	38565	37983	37408	36841	36281	35728	35182	34643	34111	33585
5	39744	39145	38555	37973	37398	36831	36271	35719	35173	34634	34102	33576
6	39734	39136	38545	37963	37389	36822	36262	35710	35164	34625	34093	33567
7	39724	39126	38536	37954	37379	36812	36253	35700	35155	34616	34084	33558
8	39714	39116	38526	37944	37370	36803	36244	35691	35146	34607	34075	33550
9	39704	39106	38516	37934	37360	36794	36234	35682	35137	34598	34066	33541
10	39694	39096	38506	37925	37351	36784	36225	35673	35128	34589	34058	33532
11	39684	39086	38497	37915	37341	36775	36216	35664	35119	34581	34049	33524
12	39674	39076	38487	37995	37332	36766	36207	35655	35110	34572	34040	33515
13	39664	39066	38477	37896	37322	36756	36197	35646	35101	34563	34031	33506
14	39653	39056	38467	37886	37313	36747	36188	35636	35092	34554	34022	33498
15	39643	39046	38458	37877	37303	36737	36179	35627	35083	34545	34014	33489
16	39633	39037	38448	37867	37294	36728	36170	35618	35074	34536	34005	33480
17	39623	39027	38438	37857	37284	36719	36160	35609	35065	34527	33996	33471
18	39613	39017	38428	37848	37275	36709	36151	35600	35056	34518	33987	33463
19	39603	39007	38419	37838	37265	36700	36142	35591	35047	34509	33978	33454
20	39593	38997	38409	37829	37256	36691	36133	35582	35038	34500	33970	33445
21	39583	38987	38399	37819	37246	36631	36123	35573	35029	34491	33961	33437
22	39573	38977	38389	37809	37237	36672	36114	35563	35020	34483	33952	33428
23	39563	38968	38380	37800	37227	36663	36105	35554	35011	34474	33943	33419
24	39553	38958	38370	37790	37218	36653	36096	35545	35002	34465	33935	33411
25	39543	38948	38360	37781	37208	36644	36086	35536	34993	34456	33926	33402
26	39533	38938	38351	37771	37199	36634	36077	35527	34984	34447	33917	33393
27	39523	38928	38341	37761	37189	36625	36068	35518	34975	34438	33908	33385
28	39513	38918	38331	37752	37180	36616	36059	35509	34966	34429	33899	33376
29	39503	38908	38321	37742	37171	36606	36050	35500	34957	34420	33891	33367
30	39493	38899	38312	37733	37161	36597	36040	35491	34948	34411	33882	33359
31	39483	38889	38302	37723	37152	36588	36031	35481	34939	34403	33873	33350
32	39473	38879	38292	37713	37142	36578	36022	35472	34930	34394	33864	33341
33	39464	38869	38282	37704	37133	36569	36013	35463	34921	34385	33856	33333
34	39454	38859	38273	37694	37123	36560	36003	35454	34912	34376	33847	33324
35	39444	38849	38263	37685	37114	36550	35994	35445	34903	34367	33838	33315
36	39434	38839	38253	37675	37104	36541	35985	35436	34894	34358	33829	33307
37	39424	38830	38244	37665	37095	36532	35976	35427	34885	34349	33820	33298
38	39414	38820	38234	37656	37085	36522	35967	35418	34876	34340	33812	33289
39	39404	38810	38224	37646	37076	36513	35957	35409	34867	34332	33803	33281
40	39394	38800	38215	37637	37067	36504	35948	35400	34858	34323	33794	33272
41	39384	38790	38205	37627	37057	36494	35939	35391	34849	34314	33785	33263
42	39374	38781	38195	37618	37048	36485	35930	35381	34840	34305	33777	33255
43	39364	38771	38186	37608	37038	36476	35921	35372	34831	34296	33768	33246
44	39354	38761	38176	37599	37029	36467	35911	35363	34822	34287	33759	33237
45	39344	38751	38166	37589	37019	36457	35902	35354	34813	34278	33750	33229
46	39334	38741	38156	37579	37010	36448	35893	35345	34804	34270	33742	33220
47	39324	38731	38147	37570	37001	36439	35884	35336	34795	34261	33733	33211
48	39314	38722	38137	37560	36991	36429	35875	35327	34786	34252	33724	33203
49	39304	38712	38127	37551	36982	36420	35865	35318	34777	34248	33715	33194
50	39294	38702	38118	37541	36972	36411	35856	35309	34768	34234	33707	33186
51	39284	38692	38108	37532	36963	36401	35847	35300	34759	34225	33698	33177
52	39274	38682	38098	37522	36953	36392	35838	35291	34750	34217	33689	33168
53	39264	38673	38089	37513	36944	36383	35829	35282	34741	34208	33681	33160
54	39254	38663	38079	37503	36935	36374	35820	35273	34732	34199	33672	33151
55	39245	38653	38069	37494	36925	36364	35810	35264	34723	34190	33663	33142
56	39235	38643	38060	37484	36916	36355	35801	35254	34715	34181	33654	33134
57	39225	38633	38050	37474	36906	36346	35792	35245	34706	34172	33646	33125
58	39215	38624	38040	37465	36897	36336	35783	35236	34697	34164	33637	33117
59	39205	38614	38031	37455	36888	36327	35774	35227	3468S	34155	33628	33108
60	39195	38604	38021	37446	36878	36318	35 <b>765</b>	35218	34679	34146	33619	83099

## 1 DEGREE, OR 1 HOUR.

*	24'	25'	26'	27′	28'	29′	30′	31'	32'	33'	34'	35′
0	33099	32585	32077	31575	31079	30588	30103	29623	29148	28679	28214	27755
1	33091	32577	32069	31567	31071	30580	30095	29615	29141	28671	28207	27747
2	33082	32568	32061	31559	31063	30572	30087	29607	29133	28663	28199	27740
3	33073	32560	32052	31550	31054	30564	30079	29599	29125	28656	28191	27782
4	33065	32551	32044	31542	31046	30556	30071	29591	29117	28648	28184	27724
5	33056	32543	32035	31534	31038	30548	30063	29583	29109	28640	28176	27717
6 7 8 9	33048 33039 33030 33022 33013	32534 32526 32517 32509 32500	32027 32019 32010 32002 31993	31525 31517 31509 31501 31492	31030 81021 31013 31005 30997	30539 30531 30523 30515 30507	30055 30047 30039 30031 30023	29575 29567 29560 29552 29544	29101 29098 29086 29078 29070	28632 28625 28617 28609 28601	28168 28161 28158 28145 28138	27709 27702 27694 27686 27679
11	33005	32492	31985	31484	30989	30499	30015	29536	29062	28593	28130	27671
12	32996	32483	31977	31476	30980	30491	30007	29528	29054	28586	28122	27664
13	32987	32475	31968	31467	30972	30483	29999	29520	29046	28578	28114	27656
14	32979	32466	31960	31459	80964	30475	29991	29512	29038	28570	28107	27648
15	32970	32458	31951	31451	30956	30466	29983	29504	29031	28562	28099	27641
16	32962	32449	31948	31442	30948	30458	29975	29496	29023	28555	28091	27633
17	32953	32441	31935	31434	30939	30450	29967	29488	29015	28547	28084	27626
18	32944	32432	31926	31426	30931	30442	29958	29480	29007	28539	28076	27618
19	32936	32424	31918	31418	30923	30434	29950	29472	28999	28531	28068	27610
20	32927	32415	31909	31409	30915	30426	29942	29464	28991	28524	28061	27603
21	32919	32407	31901	31401	30907	30418	29934	29456	28984	28516	28053	27595
22	32910	32398	31893	31393	30898	30410	29926	29448	28976	28508	28045	27588
23	32902	32390	31884	31384	30890	30402	29918	29441	28968	28500	28038	27580
24	32893	32381	31876	31376	30882	30393	29910	29433	28960	28493	28030	27572
25	32884	32373	31867	31368	30874	30385	29902	29425	28952	28485	28022	27565
26	32876	32365	31859	31360	30866	30377	29894	29417	28944	28477	28015	27557
27	32867	32356	31851	31351	30857	30369	29886	29409	28937	28469	28007	27550
28	32859	32348	31842	31348	30849	30361	29878	29401	28929	28462	27999	27542
29	32850	32339	31834	31335	30841	30353	29870	29393	28921	28454	27992	27534
30	32842	32331	31826	31326	30833	30345	29862	29385	28913	28446	27984	27527
31	32833	32322	31817	31318	30825	30337	29854	29377	28905	28438	27976	27519
32	32824	32314	31809	31310	30817	30329	29846	29369	28897	28431	27969	27512
33	32816	32305	31801	31302	30808	30321	29838	29361	28890	28423	27961	27504
34	32807	32297	31792	31293	30800	30313	29830	29354	28882	28415	27953	27497
35	32799	32288	31784	31285	30792	30305	29822	29346	28874	28407	27946	27489
36	32790	32280	31775	31277	30784	30296	29814	29338	28866	28400	27938	27481
37	32782	32271	31767	31269	30776	30288	29806	29330	28858	28392	27930	27474
38	32773	32263	31759	31260	30768	30280	29798	29322	28851	28384	27923	27466
39	32765	32255	31750	31252	30759	30272	29790	29314	28843	28376	27915	27459
40	32756	32246	31742	31244	30751	30264	29782	29306	28835	28369	27908	27451
41	32747	32238	31734	31236	30743	30256	29775	29298	28827	28361	27900	27444
42	32739	32229	31725	31227	30785	30248	29767	29290	28819	28353	27892	27436
43	32730	32221	31717	31219	30727	30240	29759	29282	28811	28346	27885	27429
44	32722	32212	31709	31211	30719	30232	29751	29275	28804	28338	27877	27421
45	32713	32204	31700	31203	80710	30224	29743	29267	28796	28330	27869	27413
46	32705	32195	31692	31194	30702	30216	29735	29259	28788	28322	27862	27406
47	32696	32187	31684	31186	30694	30208	29727	29251	28780	28315	27854	27398
48	32688	32179	31675	31178	30686	30200	29719	29243	28772	28307	27846	27391
49	32679	32170	31667	31170	30678	30192	29711	29235	28765	28299	27839	27383
50	32671	32162	31659	31161	30670	30183	29703	29227	28757	28292	27831	27376
51	32662	32153	31650	31153	30662	30175	29695	29219	28749	28284	27824	27368
52	32654	32145	31642	31145	30653	30167	29687	29211	28741	28276	27816	27360
53	32645	32136	31634	31137	30645	30159	29679	29204	28733	28268	27808	27353
54	32636	32128	31625	31128	30637	30151	29671	29196	28726	28261	27801	27345
55	32628	32120	31617	31120	30629	30143	29663	29188	28718	28253	27793	27338
56	32619	32111	31609	31112	30621	30135	29655	29180	28710	28245	27785	27330
57	32611	32103	31600	31104	30613	30127	29647	29172	28702	28238	27778	27323
58	32602	32094	31592	31095	30605	30119	29639	29164	28695	28230	27770	27315
59	32594	32086	31584	31087	30596	30111	29631	29156	28687	28222	27763	27308
60	32585	32077	31575	31079	30588	80108	29623	29148	28679	28214	27755	27300

#### 1 DEGREE, OR 1 HOUR.

Mar		-		-		_				-		
"	36'	37'	38'	39'	40′	41'	42'	43'	44'	45'	46'	47'
0	27300	26850	26405	25964	25527	25005	24667	24244	23824	23408	22997	22589
1	27298	26843	26397	25956	25520	25088	24660	24237	23817	23401	22990	22582
2	27285	26835	26390	25949	25513	25081	24653	24229	23810	23395	22983	22575
3	27278	26828	26382	25942	25506	25074	24646	24222	23803	23388	22976	22569
4	27270	26820	26375	25934	25498	25066	24689	24215	23796	23381	22969	22562
5	27262	26813	26368	25927	25491	25059	24632	24208	23789	23374	22963	22555
6	27255	26805	26360	25920	25484	25052	24625	24201	23782	23367	22956	22548
7	27247	26798	26353	25913	25477	25045	24618	24194	23775	23360	22949	22542
8	27240	26790	26346	25905	25409	25038	24610	24187	23763	23353	22942	22585
9	27232	26783	26338	25898	25462	25031	24603	24180	23761	23346	22935	22528
10	27225	26776	26331	25891	25455	25024	24596	24173	23754	23339	22928	22521
11	27217	26768	26323	25883	25448	25016	24589	24166	23747	23333	22922	22515
12	27210	26761	26316	25876	25440	25009	24582	24159	23740	23326	22915	22508
13	27202	26753	26309	25869	25433	25002	24575	24152	23734	23319	22908	22501
14	27195	26746	26301	25861	25426	24995	24568	24145	23727	23312	22901	22494
15	27187	26738	26294	25854	25419	24988	24561	24138	23720	23305	22894	22488
16	27180	26731	26287	25847	25412	24981	24554	24131	23713	23298	22888	22481
17	27172	26723	26279	25840	25404	24973	24547	24124	23706	23291	22881	22474
18	27165	26716	26272	25832	25397	24966	24540	24117	23699	23284	22874	22467
19	27157	26709	26265	25825	25390	24959	24533	24110	23692	23278	22867	22461
20	27150	26701	26257	25818	25383	24952	24526	24103	23685	23271	22860	22454
21	27142	26694	26250	25810	25376	24945	24518	24096	23678	23264	22854	22447
22	27135	26686	26242	25803	25368	24938	24511	24089	23671	23257	22847	22440
23	27127	26679	26235	25796	25361	24931	24504	24082	23664	23250	22840	22434
24	27120	26671	26228	25789	25354	24923	24497	24075	23657	23243	22833	22427
25	27112	26664	26220	25781	25347	24916	24490	24068	23650	23236	22826	22420
26	27105	26656	26213	25774	25339	24909	24483	24061	23643	23229	22819	22413
27	27097	26649	26206	25767	25332	24902	24476	24054	23636	23223	22813	22407
28	27090	26642	26198	25759	25325	24895	24469	24047	23629	23216	22806	22400
29	27082	26634	26191	25752	25318	24888	24462	24040	23623	23209	22799	22398
30	27075	26627	26184	25745	25311	24881	24455	24033	23616	23202	22792	22386
31	27067	26619	26176	25738	25303	24874	24448	24026	23609	23195	22785	22380
32	27060	26612	26169	25730	25296	24866	24441	24019	23602	23188	22779	22373
33	27052	26605	26162	25723	25280	24859	24434	24012	23505	23181	22772	22366
34	27045	26597	26154	25716	25282	24852	24427	24005	23588	23175	22765	22359
35	27037	26590	26147	25709	25275	24845	24420	23098	23581	23168	22758	22353
36	27030	26582	26140	25701	25267	24838	24413	23991	23574	23161	22752	22346
87	27022	26575	26132	25694	25260	24831	24405	23984	23567	23154	22745	22339
38	27015	26567	26125	25687	25253	24824	24398	23977	23560	23147	22738	22333
39	27007	26560	26118	25680	25246	24817	24391	23970	23553	23140	22731	22326
40	27000	26553	26110	25672	25239	24809	24384	23963	23546	23133	22724	22319
41	26992	26545	26103	25665	25231	24802	24377	23956	23539	23127	22718	22312
42	26985	26538	26096	25658	25224	24795	24370	23949	23533	23120	22711	22306
43	26977	26530	26088	25650	25217	24788	24363	23942	23526	23113	22704	22299
44	26970	26523	26081	25643	25210	24781	24356	23935	23519	23106	22697	22292
45	26962	26516	26074	25636	25203	24774	24349	23928	23512	23099	22690	22286
46	26955	26508	26066	25629	25196	24767	24342	23921	23505	23092	22684	22279
47	26947	26501	26059	25621	25188	24760	24335	23914	23498	23086	22677	22272
48	26940	26493	26052	25614	25181	24752	24328	23908	23491	23079	22670	22265
49	26932	26486	26044	25607	25174	24745	24321	23901	23484	23072	22663	22269
50	26925	26479	26037	25600	25167	24738	24314	23894	23477	23065	22657	22262
51	26917	26471	26030	25592	25160	24731	24307	23887	23470	23058	22650	22245
52	26910	26464	26022	25585	25152	24724	24300	23880	23464	23051	22643	22239
53	26902	26456	26015	25578	25145	24717	24293	23873	23457	23044	22636	22232
54	26895	26449	26008	25571	25138	24710	24286	28866	23450	23038	22629	22225
55	26887	26442	26000	25563	25131	24703	24279	23859	23443	23031	22623	22218
50	26880	26434	25993	25556	25124	24696	24272	23852	23436	23024	22616	22212
57	26872	26427	25986	25549	25117	24689	24265	23845	23429	23017	22609	22205
58	26865	26419	25978	25542	25109	24681	24258	23838	23422	23010	22602	22198
59	26858	26412	25971	25534	25102	24674	24251	23831	23415	23004	22596	22192
60	26850	26405	25964	25527	25095	24667	24244	23824	23408	22997	22589	22185

2 0 407

# 1 Degree, or 1 Hour.

11	48'	49'	50′	51'	52'	53'	54'	55'	56'	57'	58'	59′
0	22185	21785	21388	20995	20605	20219	19837	19457	19081	18709	18339	17973
1	22178	21778	21381	20988	20599	20213	19830	19451	19075	18702	18333	17966
2	22171	21771	21375	20982	20593	20207	19824	19445	19069	18696	18327	17960
8	22165	21765	21368	20975	20586	20200	19818	19439	19063	18690	18321	17954
4	22158	21758	21362	20969	20580	20194	19811	19432	19056	18684	18315	17948
5	22151	21751	21355	20962	20573	20187	19805	19426	19050	18678	18308	17942
6 7 8 9	22145 22138 22131 22125 22118	21745 21738 21732 21725 21718	21349 21342 21335 21329 21322	20956 20949 20943 20936 20930	20567 20560 20554 20547 20541	20181 20175 20168 20162 20155	19799 19792 19786 19780 19773	19420 19413 19407 19401 19395	19044 19038 19032 19025 19019	18672 18665 18659 18653 18647	18302 18296 18290 18284 18278	17936 17930 17924 17918 17912
11	22111	21712	21316	20923	20534	20149	19767	19388	19013	18641	18272	17906
12	22105	21705	21309	20917	20528	20143	19761	19382	19007	18634	18266	17900
13	22098	21698	21303	20910	20522	20136	19754	19376	19000	18628	18259	17894
14	22091	21692	21296	20904	20515	20130	19748	19369	18994	18622	18253	17887
15	22084	21685	21289	20897	20509	20123	19742	19363	18988	18616	18247	17881
16	22078	21678	21283	20891	20502	20117	19735	19357	18982	18610	18241	17875
17	22071	21672	21276	20884	20496	20111	19729	19351	18976	18604	18235	17869
18	22064	21665	21270	20878	20489	20104	19723	19344	18969	18597	18229	17863
19	22058	21659	21263	20871	20483	20098	19716	19338	18963	18591	18223	17857
20	22051	21652	21257	20865	20476	20091	19710	19332	18957	18585	18217	17851
21	22044	21645	21250	20858	20470	20085	19704	19325	18951	18579	18210	17845
22	22038	21639	21243	20852	20464	20079	19697	19319	18944	18573	18204	17839
23	22031	21632	21237	20845	20457	20072	19691	19313	18938	18567	18198	17833
24	22024	21626	21230	20839	20451	20066	19685	19307	18932	18560	18192	17827
25	22018	21619	21224	20832	20444	20060	19678	19300	18926	18554	18186	17821
26	22011	21612	21217	20826	20438	20053	19672	19294	18920	18548	18180	17815
27	22004	21606	21211	20819	20431	20047	19666	19288	18913	18542	18174	17809
28	21998	21599	21204	20813	20425	20040	19659	19282	18907	18536	18168	17803
29	21991	21592	21198	20806	20418	20034	19653	19275	18901	18530	18162	17797
30	21984	21586	21191	20800	20412	20028	19647	19269	18895	18523	18155	17790
31	21978	21579	21184	20793	20406	20021	19640	19263	18888	18517	18149	17784
32	21971	21573	21178	20787	20399	20015	19634	19257	18882	18511	18143	17778
33	21964	21566	21171	20780	20393	20009	19628	19250	18876	18505	18137	17772
34	21958	21559	21165	20774	20386	20002	19621	19244	18870	18499	18131	17766
35	21951	21553	21158	20767	20380	19996	19615	19238	18864	18493	18125	17760
36	21944	21546	21152	20761	20373	19989	19609	19231	18857	18487	18119	17754
37	21938	21540	21145	20754	20367	19983	19602	19225	18851	18480	18113	17748
38	21931	21533	21139	20748	20361	19977	19596	19219	18845	18474	18107	17742
39	21924	21526	21132	20741	20354	19970	19590	19213	18839	18468	18100	17736
40	21918	21520	21126	20735	20348	19964	19584	19206	18833	18462	18094	17730
41	21911	21513	21119	20728	20341	19958	19577	19200	18826	18456	18088	17724
42	21904	21507	21112	20722	20335	19951	19571	19194	18820	18450	18082	17718
43	21898	21500	21106	20715	20328	19945	19565	19188	18814	18443	18076	17712
44	21891	21493	21099	20709	20322	19938	19558	19181	18808	18437	18070	17706
45	21884	21487	21093	20702	20316	19932	19552	19175	18802	18431	18064	17700
46	21878	21480	21086	20696	20309	19926	19546	19169	18795	18425	18058	17694
47	21871	21474	21080	20690	20303	19919	19539	19163	18789	18419	18052	17688
48	21864	21467	21073	20683	20296	19913	19533	19156	18783	18413	18046	17682
49	21858	21460	21067	20677	20290	19907	19527	19150	18777	18407	18040	17676
50	21851	21454	21060	20670	20284	19900	19520	19144	18771	18400	18033	17669
51	21844	21447	21054	20664	20277	19894	19514	19138	18764	18394	18027	17663
52	21838	21441	21047	20657	20271	19888	19508	19131	18758	18388	18021	17657
53	21831	21434	21041	20651	20264	19881	19502	19125	18752	18382	18015	17651
54	21824	21427	21034	20644	20258	19875	19495	19119	18746	18376	18009	17645
55	21818	21421	21028	20638	20251	19869	19489	19113	18740	18370	18003	17639
56	21811	21414	21021	20631	20245	19862	19483	19106	18733	18364	17997	17633
57	21805	21408	21015	20625	20239	19856	19476	19100	18727	18357	17991	17627
58	21798	21401	21008	20618	20222	19849	19470	19094	18721	18351	17985	17621
59	21791	21395	21001	20612	20226	19843	19464	19088	18715	18345	17979	17615
60	21785	21388	20995	20605	20219	19837	19457	19081	18709	18339	17973	17609

2	DEGREES,	or 2	Hours.
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"	0′	1'	2'	3′	4'	5′	6′	7	8′	9′	10′	11'
0	17609	17249	16891	16537	16185	15836	15490	15147	14806	14468	14133	13800
1	17603	17243	16885	16531	16179	15830	15484	15141	14801	14463	14127	13795
2	17597	17237	16879	16525	16173	15825	15479	15135	14795	14457	14122	13789
3	17591	17231	16873	16519	16168	15819	15473	15130	14789	14451	14116	13784
4	17585	17225	16868	16513	16162	15813	15467	15124	14784	14446	14111	13778
5	17579	17219	16862	16507	16156	15807	15461	15118	14778	14440	14105	13773
6	17573	17213	16856	16501	16150	15802	15456	15113	14772	14435	14100	13767
7	17567	17207	16850	16496	16144	15796	15450	15107	14767	14429	14094	13761
8	17561	17201	16844	16490	16138	15790	15444	15101	14761	14423	14088	13756
9	17555	17195	16838	16484	16133	15784	15439	15096	14755	14418	14083	13750
10	17549	17189	16832	16478	16127	15778	15433	15090	14750	14412	14077	13745
11	17543	17183	16826	16472	16121	15773	15427	15084	14744	14407	14072	13739
12	17537	17177	16820	16466	16115	15767	15421	15079	14738	14401	14066	13734
13	17531	17171	16814	16460	16109	15761	15416	15073	14733	14395	14061	13728
14	17525	17165	16808	16454	16103	15755	15410	15067	14727	14390	14055	13723
15	17519	17159	16802	16449	16098	15749	15404	15061	14722	14384	14049	13717
16	17513	17153	16796	16443	16092	15744	15398	15056	14716	14379	14044	13712
17	17507	17147	16791	16437	16086	15738	15393	15050	14710	14373	14038	13706
18	17501	17141	16785	16431	16080	15732	15387	15044	14705	14367	14033	13701
19	17495	17135	16779	16425	16074	15726	15381	15039	14699	14362	14027	13695
20	17489	17129	16773	16419	16068	15721	15375	15033	14693	14356	14022	13690
21	17483	17123	16767	16413	16063	15715	15370	15027	14688	14351	14016	13684
22	17477	17117	16761	16407	16057	15709	15364	15022	14682	14345	14011	13679
23	17471	17111	16755	16402	16051	15703	15358	15016	14676	14339	14005	13673
24	17465	17105	16749	16396	16045	15697	15353	15010	14671	14334	14000	13668
25	17459	17099	16743	16390	16039	15692	15347	15005	14665	14328	13994	13662
26	17453	17093	16737	16384	16034	15686	15341	14999	14659	14323	13988	13657
27	17447	17087	16731	16378	16028	15680	15335	14993	14654	14317	13983	13651
28	17441	17082	16725	16372	16022	15674	15330	14988	14648	14311	13977	13646
29	17435	17076	16720	16366	16016	15669	15324	14982	14643	14306	13972	13640
30	17429	17070	16714	16361	16010	15663	15318	14976	14637	14300	13966	13635
31	17423	17064	16708	16355	16005	15657	15312	14971	14631	14295	13961	13629
32	17417	17058	16702	16349	15999	15651	15307	14965	14626	14289	13955	13624
33	17411	17052	16696	16343	15993	15646	15301	14959	14620	14284	13950	13618
34	17405	17046	16690	16337	15987	15640	15295	14954	14614	14278	13944	13613
35	17399	17040	16684	16331	15981	15634	15290	14948	14609	14272	13938	13607
36	17393	17034	16678	16325	15975	15628	15284	14942	14603	14267	13933	13602
37	17387	17028	16672	16320	15970	15623	15278	14937	14598	14261	13927	13596
38	17381	17022	16666	16314	15964	15617	15272	14931	14592	14256	13922	13591
39	17375	17016	16660	16308	15958	15611	15267	14925	14586	14250	13916	13585
40	17369	17010	16655	16302	15952	15605	15261	14919	14581	14244	13911	13580
41	17363	17004	16649	16296	15946	15599	15255	14914	14575	14239	13905	13574
42	17357	16998	16643	16290	15941	15594	15250	14908	14569	14233	13900	13569
43	17351	16992	16637	16284	15935	15588	15244	14902	14564	14228	13894	13563
44	17345	16986	16631	16279	15929	15582	15238	14897	14558	14222	13889	13558
45	17339	16980	16625	16273	15923	15576	15232	14891	14553	14217	13883	13552
46	17333	16974	16619	16267	15917	15571	15227	14886	14547	14211	13878	13547
47	17327	16968	16613	16261	15912	15565	15221	14880	14541	14205	13872	13541
48	17321	16963	16607	16255	15906	15559	15215	14874	14536	14200	13866	13536
49	17315	16957	16602	16249	15900	15553	15210	14869	14530	14194	13861	13530
50	17309	16951	16596	16243	15894	15548	15204	14863	14524	14189	13855	13525
51	17303	16945	16590	16238	15888	15542	15198	14857	14519	14183	13850	13519
52	17297	16939	16584	16232	15883	15536	15192	14852	14513	14177	13844	13514
53	17291	16933	16578	16226	15877	15530	15187	14846	14508	14172	13839	13508
54	17285	16927	16572	16220	15871	15525	15181	14840	14502	14166	13833	13503
55	17279	16921	16566	16214	15865	15519	15175	14835	14496	14161	13828	13497
56	17273	16915	16560	16208	15859	15513	15170	14829	14491	14155	13822	13492
57	17267	16909	16554	16203	15854	15507	15164	14823	14485	14150	13817	13486
58	17261	16903	16549	16197	15848	15502	15158	14818	14480	14144	13811	13481
59	17255	16897	16543	16191	15842	15496	15153	14812	14474	14138	13806	13475
<b>6</b> 0	17249	16891	16537	16185	15836	15490	15147	14806	14468	14133	18800	13470

## 2 Degrees, or 2 Hours.

N	12'	13′	14'	15'	16'	17'	18'	19'	20′	21'	22'	23'
0	13470	13142	12817	12494	12173	11855	11539	11226	10914	10605	10298	09994
1	13464	13137	12811	12489	12168	11850	11534	11221	10909	10600	10293	09989
2	13459	13131	12806	12483	12163	11845	11529	11215	10904	10595	10288	09984
3	13453	13126	12801	12478	12157	11839	11524	11210	10899	10590	10283	09978
4	13448	13120	12795	12472	12152	11834	11518	11205	10894	10585	10278	09973
5	13442	13115	12790	12467	12147	11829	11513	11200	10889	10580	10273	09968
6	13437	13109	12784	12462	12141	11824	11508	11195	10883	10575	10268	09963
7	13431	13104	12779	12456	12136	11818	11503	11189	10878	10569	10263	09958
8	13426	13099	12774	12451	12131	11813	11497	11184	10873	10564	10258	09953
9	13421	13093	12768	12446	12125	11808	11492	11179	10868	10559	10253	09948
10	13415	13088	12763	12440	12120	11802	11487	11174	10863	10554	10247	09943
11	13410	13082	12757	12435	12115	11797	11482	11169	10858	10549	10242	09938
12	13404	13077	12752	12430	12110	11792	11476	11163	10852	10544	10237	09933
13	13399	13071	12747	12424	12104	11787	11471	11158	10847	10539	10232	09928
14	13393	13066	12741	12419	12099	11781	11466	11153	10842	10534	10227	09923
15	13388	13061	12736	12414	12094	11776	11461	11148	10837	10528	10222	09918
16	13382	13055	12730	12408	12088	11771	11456	11143	10832	10523	10217	09913
17	13377	13050	12725	12403	12083	11765	11450	11137	10827	10518	10212	09908
18	13371	13044	12720	12397	12078	11760	11445	11132	10821	10513	10207	09903
19	13366	13039	12714	12392	12072	11755	11440	11127	10816	10608	10202	09898
20	13360	13033	12709	12387	12067	11750	11435	11122	10811	10503	10197	09893
21	13355	13028	12703	12381	12062	11744	11429	11117	10806	10498	10192	09887
22	13349	13023	12698	12376	12056	11739	11424	11111	10801	10493	10186	09882
23	13344	13017	12693	12371	12051	11734	11419	11106	10796	10487	10181	09877
24	13338	13012	12687	12365	12046	11729	11414	11101	10791	10482	10176	09872
25	13333	13006	12682	12360	12041	11723	11408	11096	10785	10477	10171	09867
26	13328	13001	12677	12355	12035	11718	11403	11091	10780	10472	10166	09862
27	13322	12995	12671	12349	12030	11713	11398	11085	10775	10467	10161	09857
28	13317	12990	12666	12344	12025	11708	11393	11080	10770	10462	10156	09852
29	13311	12985	12660	12339	12019	11702	11387	11075	10765	10457	10151	09847
30	13306	12979	12655	12333	12014	11697	11382	11070	10760	10452	10146	09842
31	13300	12974	12650	12328	12009	11692	11377	11065	10754	10446	10141	09837
32	13295	12968	12644	12323	12003	11686	11372	11059	10749	10441	10136	09832
33	13289	12963	12639	12317	11998	11681	11367	11054	10744	10436	10131	09827
34	13284	12957	12634	12312	11993	11676	11361	11049	10739	10431	10126	09822
35	13278	12962	12628	12307	11987	11671	11356	11044	10734	10426	10120	09817
36	13273	12947	12623	12301	11982	11665	11351	11039	10729	10421	10115	09812
37	13267	12941	12617	12296	11977	11660	11346	11034	10724	10416	10110	09807
38	13262	12936	12612	12291	11972	11655	11340	11028	10718	10411	10105	09802
39	13257	12930	12607	12285	11966	11650	11335	11023	10713	10406	10100	09797
40	13251	12925	12601	12280	11961	11644	11330	11018	10708	10400	10095	09792
41	13246	12920	12596	12275	11956	11639	11325	11013	10703	10395	10090	09787
42	13240	12914	12590	12269	11950	11634	11320	11008	10698	10390	10085	09782
43	13235	12909	12585	12264	11945	11629	11314	11002	10693	10385	10080	09777
44	13229	12903	12580	12259	11940	11623	11309	10997	10688	10380	10075	09772
45	13224	12898	12574	12253	11935	11618	11304	10992	10682	10375	10070	09766
46	13218	12892	12569	12248	11929	11613	11299	10987	10677	10370	10065	09761
47	13213	12887	12564	12243	11924	11608	11294	10982	10672	10365	10059	09756
48	13207	12882	12558	12237	11919	11602	11288	10977	10667	10360	10054	09751
49	13202	12876	12553	12232	11913	11597	11283	10971	10662	10355	10049	09746
50	13197	12871	12548	12227	11908	11592	11278	10966	10657	10349	10044	09741
51	13191	12865	12542	12221	11903	11587	11273	10961	10652	10344	10039	09736
52	13186	12860	12537	12216	11897	11581	11267	10956	10646	10339	10034	09731
63	13180	12855	12531	12211	11892	11576	11262	10951	10641	10334	10029	09726
54	13175	12849	12526	12205	11887	11571	11257	10945	10636	10329	10024	09721
56	13169	12844	12521	12200	11882	11566	11252	10940	10631	10324	10019	09716
56	13164	12838	12515	12195	11876	11560	11247	10935	10626	10319	10014	09711
57	13158	12833	12510	12189	11871	11555	11241	10930	10621	10314	10009	09706
58	13153	12828	12505	12184	11866	11550	11236	10925	10616	10309	10004	09701
59	13148	12822	12499	12179	11860	11545	11231	10920	10610	10304	09999	09696
60	13142	12817	12494	12173	11855	11539	11226	10914	10605	10298	09994	09691

#### 2 Degrees, or 2 Hours.

"	24'	25'	26'	27'	28'	29′	30′	31′	32	33'	34'	35′
0	09691	09390	09092	08796	08501	08209	97918	07630	07343	07058	06775	06494
1	09686	09385	09087	08791	08496	08204	07913	07625	07338	07053	06770	06489
2	09681	09880	09082	08786	08491	08199	07908	07620	07333	07049	06766	06485
3	09676	09875	09077	08781	08486	08194	07904	07615	07329	07044	06761	06480
4	09671	09370	09072	08776	08482	08189	07899	07610	07324	07039	06756	06475
5	09666	09365	09067	08771	08477	08184	07894	07606	07319	07034	06752	06471
6	09661	09361	09062	08766	08472	08179	07889	07601	07314	07030	06747	06466
7	09656	09356	09057	08761	08467	08175	07884	07596	07310	07025	06742	06461
8	09651	09351	09052	08756	08462	08170	07880	07591	07305	07020	06738	06457
9	09646	09346	09047	08751	08457	08165	07875	07586	07300	07016	06733	06452
10	09641	09341	09042	08746	08452	08160	07870	07582	07295	07011	06728	06447
11	09636	09336	09037	08741	08447	08155	07865	07577	07291	07006	06724	06443
12	09631	09331	09033	08736	08442	08150	07860	07572	07286	07001	06719	06438
13	09626	09326	09028	08732	08438	08146	07855	07567	07281	06997	06714	06433
14	09621	09321	09023	08727	08433	08141	07851	07562	07276	06992	06709	06429
15	09616	09316	09018	08722	08428	08136	07846	07558	07272	06987	06705	06424
16	09611	09311	09013	08717	08423	08131	07841	07553	07267	06982	06700	06419
17	09606	09306	09008	08712	08418	08126	07836	07548	07262	06978	06695	06415
18	09601	09301	09003	08707	08413	08121	07831	07543	07257	06973	06691	06410
19	09596	09296	08998	08702	08408	08116	07827	07539	07253	06968	06686	06405
20	09591	09291	08993	08697	08403	<b>0</b> 8112	07822	07534	07248	06964	06681	06401
21	09586	09286	08988	08692	08398	08107	07817	07529	07243	06959	06677	06396
22	09581	09281	08983	08687	08394	08102	07812	07524	07238	06954	06672	06391
23	09576	09276	08978	08682	08389	08097	07807	07519	07234	06949	06667	06387
24	09571	09271	08973	08678	08384	08092	07802	07515	07229	06945	06663	06382
25	09566	09266	08968	08673	08379	08087	07798	07510	07224	06940	06658	06377
26	09561	09261	08963	08668	08374	08083	07793	07505	07219	06935	06653	06373
27	09555	09256	08958	08663	08369	08078	07788	07500	07215	06931	06648	06368
28	09550	09251	08953	08658	08364	08073	07783	07496	07210	06926	06644	06364
29	09545	09246	08948	08653	08359	08068	07778	07491	07205	06921	06639	06359
30	09540	09241	08943	08648	08355	08063	07774	07486	07200	06916	06634	06354
31	09535	09236	08939	08643	08350	08058	07769	07481	07196	06912	06630	06350
32	09530	09231	08934	08638	08345	08053	07764	07476	07191	06907	06625	06345
33	09525	09226	08929	08633	08340	08049	07759	07472	07186	06902	06620	06340
34	09520	09221	08924	08628	08335	08044	07754	07467	07181	06898	06616	06336
35	09515	09216	08919	08624	08330	08039	07750	07462	07177	06893	06611	06331
36	09510	09211	08914	08619	08325	08034	07745	07457	07172	06888	06606	06326
37	09505	09206	08909	08614	08320	08029	07740	07453	07167	06883	06602	06322
38	09500	09201	08904	08609	08316	08024	07735	07448	07162	06879	06597	06317
39	09495	09196	08899	08604	08311	08020	07730	07443	07158	06874	06592	06312
40	09490	09191	08894	08599	08306	08015	07726	07438	07153	06869	06588	06308
41	09485	09186	08889	08594	08301	08010	07721	07433	07148	06865	06583	06303
42	09480	09181	08884	08589	08296	08005	07716	07429	07143	06860	06578	06298
43	09475	09176	08879	08584	08291	08000	07711	07424	07139	06855	06574	06294
44	09470	09171	08874	08579	08286	07995	07706	07419	07134	06850	06569	06289
45	09465	09166	08869	08575	08282	07991	07702	07414	07129	06846	06564	06284
46	09460	09161	08865	08570	08277	07986	07697	07410	07124	06841	06560	06280
47	09455	09156	08860	08565	08272	07981	07692	07405	07120	06836	06555	06275
48	09450	09151	08855	08560	08267	07976	07687	07400	07115	06832	06550	06271
49	09445	09147	08850	08555	08262	07971	07682	07395	07110	06827	06545	06266
50	09440	09142	08845	08550	08257	07966	07678	07391	07105	06822	06541	06261
51	09435	09137	08840	08545	08252	07962	07678	07386	07101	06817	06536	06257
52	09430	09132	08835	08540	08248	07957	07668	07381	07096	06813	06531	06252
53	09425	09127	08830	08535	08243	07952	07663	07376	07091	06808	06527	06247
54	09420	09122	08825	08530	08238	07947	07658	07371	07087	06803	06522	0624 <b>3</b>
55	09415	09117	08820	08526	08233	07942	07654	07367	07082	06799	06517	06238
56	09410	09112	08815	08521	08228	07937	07649	07362	07077	06794	06513	06233
57	09405	09107	08810	08516	08223	07933	07644	07357	07072	06789	06508	06229
58	09400	09102	08805	08511	08218	07928	07639	07352	07068	06785	06503	06224
59	09395	09097	08800	08506	08213	07923	07634	07348	07063	06780	06499	06219
60	09390	09092	08796	08501	08209	07918	07630	07343	07058	06775	06494	06215

## 2 Degrees, or 2 Hours.

	36'	37′	38′	39′	40′	41'	42'	43'	44'	45'	46′	47′
0	06215	05937	05662	05388	05115	04845	04576	04308	04043	03779	03516	03256
1	06210	05933	05657	05383	05111	04840	04571	04304	04038	03774	03512	03251
2	06206	05928	05652	05378	05106	04836	04567	04300	04034	03770	03508	03247
8	06201	05923	05648	05374	05102	04831	04562	04295	04030	03766	03503	03243
4	06196	05919	05643	05369	05097	04827	04558	04291	04025	03761	03499	03238
5	06192	05914	05639	05365	05093	04822	04553	04286	04021	03757	03495	03234
6 7 8 9	06187 06182 06178 06173 06168	05910 05905 05900 05896 05891	05634 05629 05625 05620 05616	05360 05356 05351 05347 05342	05088 05084 05079 05075 05070	04818 04813 04809 04804 04800	04549 04544 04540 04536 04531	04282 04277 04273 04269 04264	04016 04012 04008 04003 03999	03753 03748 03744 03739 03735	03490 03486 03482 03477 03473	03230 03225 03221 03217 03212
11	06164	05887	05611	05337	05066	04795	04527	04260	03994	03731	03469	03208
12	06159	05882	05607	05333	05061	04791	04522	04255	03990	03726	03464	03204
13	06155	05877	05602	05323	05056	04786	04518	04251	03986	03722	03460	03199
14	06150	05873	05597	05324	05052	04782	04513	04246	03981	03717	03455	03195
15	06145	05868	05593	05319	05047	04777	04509	04242	03977	03713	03451	03191
16	06141	05864	05588	05315	05043	04773	04504	04237	03972	03709	03447	03186
17	06136	05859	05584	05310	05038	04768	04500	04233	03968	03704	03442	03182
18	06131	05854	05579	05306	05034	04764	04495	04229	03963	03700	03438	03178
19	06127	05850	05575	05301	05029	04759	04491	04224	03959	03696	03434	03173
20	06122	05845	05570	05297	05025	04755	04486	04220	03955	03691	03429	03169
21	06117	05841	05565	05292	05020	04750	04482	04215	03950	03687	03425	03165
22	06113	05836	05561	05288	05016	04746	04478	04211	03946	03682	03421	03160
23	06108	05831	05556	05283	05011	04741	04473	04206	03941	03678	03416	03156
24	06104	05827	05552	05278	05007	04737	04469	04202	03937	03674	03412	03152
25	06099	05822	05547	05274	05002	04732	04464	04198	03933	03669	03408	03147
26	06094	05818	05543	05269	04998	04728	04460	04193	03928	03665	03403	03143
27	06090	05813	05538	05265	04993	04723	04455	04189	03924	03661	03399	03139
28	06085	05808	05533	05260	04989	04719	04451	04184	03919	03656	03395	03134
29	06080	05804	05529	05256	04984	04714	04446	04180	03915	03652	03390	03130
30	06076	05799	05524	05251	04980	04710	04442	04175	03911	03647	03386	03126
31	06071	05795	05520	05247	04975	04706	04437	04171	03906	03643	03381	03121
32	06067	05790	05515	05242	04971	04701	04433	04167	03902	03639	03377	03117
33	06062	05785	05511	05238	04966	04697	04429	04162	03897	03634	03373	03113
34	06057	05781	05506	05233	04962	04692	04424	04158	03893	03630	03368	03108
35	06053	05776	05501	05228	04957	04688	04420	04153	03889	03626	03364	03104
36	06048	05772	05497	05224	04953	04683	04415	04149	03884	03621	03360	03100
37	06043	05767	05492	05219	04948	04679	04411	04144	03880	03617	03355	03096
38	06039	05762	05488	05215	04944	04674	04406	04140	03875	03612	03351	03091
39	06034	05758	05483	05210	04939	04670	04402	04136	03871	03608	03347	03087
40	06030	05753	05479	05206	04935	04665	04397	04131	03867	03604	03342	03083
41	06025	05749	05474	05201	04930	04661	04393	04127	03862	03599	03338	03078
42	06020	05744	05470	05197	04926	04656	04388	04122	03858	03595	03334	03074
43	06016	05739	05465	05192	04921	04652	04384	04118	03853	03591	03329	03070
44	06011	05735	05460	05188	04917	04647	04380	04114	03849	03586	03325	03065
45	06006	05730	05456	05183	04912	04643	04375	04109	03845	03582	03321	03061
46	06002	05726	05451	05179	04908	04638	04371	04105	03840	03578	03316	03057
47	05997	05721	05447	05174	04903	04634	04366	04100	03836	03573	03312	03052
48	05993	05717	05442	05170	04899	04629	04362	04096	03832	03569	03308	03048
49	05988	05712	05438	05165	04894	04625	04357	04091	03827	03564	03303	03044
50	05983	05707	05433	05161	04890	04620	04353	04087	03823	03560	03299	03039
51	05979	05703	05429	05156	04885	04616	04348	04083	03818	03556	03295	03035
52	05974	05698	05424	05151	04881	04612	04344	04078	03814	03551	03290	03031
53	05970	05694	05419	05147	04876	04607	04340	04074	03810	03547	03286	03026
54	05965	05689	05415	05142	04872	04603	04335	04069	03805	03543	03282	03022
55	05960	05684	05410	05138	04867	04598	04331	04065	03801	03538	03277	03018
56	05956	05680	05406	05133	04863	04594	04326	04061	03796	03534	03273	03014
57	05951	05675	05401	05129	04858	04589	04322	04056	03792	03530	03269	03009
58	05947	05671	05397	05124	04854	04585	04317	04052	03788	03525	03264	03005
59	05942	05666	05392	05120	04849	04580	04313	04047	03783	03521	03260	03001
60	05937	05662	05388	05115	04845	04576	04308	04043	03779	03516	03256	02996

2	DEGREES.	OR 2	HOURS.

						,						
"	48'	49'	50′	51'	52'	53'	54'	55′	56′	57′	58'	59′
0	02996	02739	02482	02228	01974	01723	01472	01223	00976	00730	00485	00242
1	02992	02734	02478	02223	01970	01718	01468	01219	00972	00726	00481	00238
2	02988	02730	02474	02219	01966	01714	01464	01215	00968	00722	00477	00234
3	02983	02726	02470	02215	01962	01710	01460	01211	00964	00718	00473	00230
4	02979	02721	02465	02211	01958	01706	01456	01207	00960	00714	00469	00226
5	02975	02717	02461	02206	01953	01702	01452	01203	00955	00709	00465	00222
6	02970	02713	02457	02202	01949	01698	01447	01199	00951	00705	00461	00218
7	02966	02709	02453	02198	01945	01693	01443	01195	00947	00701	00457	00214
8	02962	02704	02448	02194	01941	01689	01439	01190	00943	00697	00453	00210
9	02958	02700	02444	02190	01937	01685	01435	01186	00939	00693	00449	00206
10	02953	02696	02440	02185	01932	01681	01431	01182	00935	00689	00445	00202
11	02949	02692	02436	02181	01928	01677	01427	01178	00931	00685	00441	00197
12	02945	02687	02431	02177	01924	01672	01422	01174	00927	00681	00436	00193
13	02940	02683	02427	02173	01920	01668	01418	01170	00923	00677	00432	00189
14	02936	02679	02423	02168	01916	01664	01414	01166	00918	00673	00428	00185
15	02932	02674	02419	02164	01911	01660	01410	01161	00914	00669	00424	00181
16	02927	02670	02414	02160	01907	01656	01406	01157	00910	00665	00420	00177
17	02923	02666	02410	02156	01903	01652	01402	01153	00906	00660	00416	00173
18	02919	02662	02406	02152	01899	01647	01398	01149	00902	00656	00412	00169
19	02915	02657	02402	02147	01895	01643	01393	01145	00898	00652	00408	00165
20	02910	02653	02397	02143	01890	01639	01389	01141	00894	00648	00404	00161
21	02906	02649	02393	02139	01886	01635	01385	01137	00890	00644	00400	00157
22	02902	02644	02389	02135	01882	01631	01381	01133	00886	00640	00396	00153
23	02897	02640	02385	02130	01878	01627	01377	01128	00881	00636	00392	00149
24	02893	02636	02380	02126	01874	01622	01373	01124	00877	00632	00388	00145
25	02889	02632	02376	02122	01869	01618	01368	01120	00873	00628	00384	00141
26	02884	02627	02372	02118	01865	01614	01364	01116	00869	00624	00380	00137
27	02880	02623	02368	02114	01861	01610	01360	01112	00865	00620	00376	00133
28	02876	02619	02363	02109	01857	01606	01356	01108	00861	00616	00372	00129
29	02872	02615	02359	02105	01853	01601	01352	01104	00857	00611	00367	00125
30	02867	02610	02355	02101	01848	01597	01348	01100	00853	00607	00363	00121
31	02863	02606	02351	02097	01844	01593	01344	01095	00849	00603	00359	00117
32	02859	02602	02346	02092	01840	01589	01339	01091	00845	00599	00355	00113
33	02854	02597	02342	02088	01836	01585	01335	01087	00840	00595	00351	00109
34	02850	02593	02338	02084	01832	01581	01331	01083	00836	00591	00347	00105
35	02846	02589	02334	02080	01827	01576	01327	01079	00832	00587	00343	00101
36	02841	02585	02329	02076	01823	01572	01323	01075	00828	00583	00339	00097
37	02837	02580	02325	02071	01819	01568	01319	01071	00824	00579	00335	00093
38	02833	02576	02321	02067	01815	01564	01315	01067	00820	00575	00331	00089
39	02829	02572	02317	02063	01811	01560	01310	01062	00816	00571	00327	00085
40	02824	02568	02312	02059	01806	01556	01306	01058	00812	00567	00323	00080
41	02820	02563	02308	02054	01802	01551	01302	01054	00808	00563	00319	00076
42	02816	02559	02304	02050	01798	01547	01298	01050	00804	00559	00315	00072
43	02811	02555	02300	02046	01794	01543	01294	01046	00799	00554	00311	00068
44	02807	02551	02295	02042	01790	01539	01290	01042	00795	00550	00307	00064
45	02803	02546	02291	02038	01785	01535	01286	01038	00791	00546	00303	00060
46	02799	02542	02287	02033	01781	01531	01281	01034	00787	00542	00299	00056
47	02794	02538	02283	02029	01777	01526	01277	01029	00783	00538	00295	00052
48	02790	02533	02278	02025	01773	01522	01273	01025	00779	00534	00290	00048
49	02786	02529	02274	02021	01769	01518	01269	01021	00775	00530	00286	00044
50	02781	02525	02270	02017	01764	01514	01265	01017	00771	00526	00282	00040
51	02777	02521	02266	02012	01760	01510	01261	01013	00767	00522	00278	00036
52	02773	02516	02262	02008	01756	01506	01257	01009	00763	00518	00274	00032
53	02769	02512	02257	02004	01752	01501	01252	01005	00759	00514	00270	00028
54	02764	02508	02253	02000	01748	01497	01248	01001	00754	00510	00266	00024
55	02760	02504	02249	01995	01744	01493	01244	00997	00750	00506	00262	00020
56	02756	02499	02245	01991	01739	01489	01240	00992	00746	00502	00258	00016
57	02751	02495	02240	01987	01735	01485	01236	00988	00742	00497	00254	00012
58	02747	02491	02236	01983	01731	01481	01232	00984	00738	00493	00250	00008
59	02743	02487	02232	01979	01727	01476	01228	00980	00734	00489	00246	00004
60	02739	02482	02228	01974	01723	01472	01228	00976	00730	00485	00242	00000

#### DECLINATIONS.

Lat.	1°	2°	3°	<b>4</b> °	5°	6°	7°	8°	9°	10°	11°	12°
1° 2 3 4 5 6 7 7 8 9 10 111 12 13 14 15 16 17 18 19 20 21 22 23 24 24 25 26 27 28 30 31 32 33 34 40 41 42 43 44 45 66 67 68 66 66 66 66	1° 0′ 10 1 10 1 10 1 10 1 10 1 11 1 1 1 1	2° 0' 0' 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 1 1 2 1 1 2 1 1 2 1 2	3° 0' 3° 0 3° 0 3° 0 3° 0 3° 0 3° 0 3° 0	4° 0' 4 4 0 4 1 1 4 1 1 4 1 2 4 2 4 2 4 4 3 4 4 4 4 4 4 4 1 1 1 4 1 1 1 4 1 1 1 4 1 1 1 1 4 1	5° 0′ 5 1 1 5° 0′ 5 0 1 5 1 1 5° 0′ 5 1 1 5° 0′ 5 1 1 5° 0′ 5 1 1 1 5° 0′ 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 0 0 6 1 1 6 2 3 6 4 6 6 6 7 8 6 10 1 6 13 0 15 6 23 6 28 6 11 6 13 6 23 6 28 6 31 4 6 37 7 15 7 20 7 15 7 7 20 7 15 7 7 25 7 31 7 7 44 7 7 5 8 5 13 8 21 1 2 2 7 1 1 2 2 7 1 1 2 3 1 1 2 4 1 1 2 2 7 1 1 3 4 8 1 1 2 4 1 1 2 2 7 1 1 3 4 8 1 4 1 9 1 4 5 4	7° 0' 7° 1 7° 1 7° 1 7° 1 7° 1 7° 1 7° 2 7° 2 7° 3 7° 4 7° 7° 7 7° 1 7° 1 7° 1 7° 1 7° 1 7° 1 7	8° 0' 8 1 8 1 8 2 8 3 8 4 8 5 8 6 8 7 8 9 8 11 8 13 8 15 8 15 8 15 8 17 8 19 9 19 10 19 10 19 10 29 10 10 19 10 10 19 10 10 19 11 21 11 33 11 40 12 11 13 11 40 12 11 13 11 14 15 14 15 14 15 14 15 14 15 17 51 18 11 18 11 18 11	9° 0′ 9 0 1 9 1 9 1 9 1 9 2 9 3 4 9 5 9 10 9 10 9 11 9 12 9 14 9 17 9 19 9 22 9 14 9 15 9 28 9 10 10 12 10 12 10 12 10 12 11 18 10 24 11 18 11 27 11 17 11 37 11 17 11 37 11 17 11 37 11 13 13 14 14 15 26 16 15 16 15 17 10 17 11 18 14 18 19 28 20 9 20 54 21 44 22 37	10° 0' 10 0 1 10 1 10 1 10 2 10 3 10 5 10 6 10 8 10 9 10 11 10 12 10 12 10 12 10 13 10 15 10 8 11 14 11 12 11 13 11 14 11 12 11 13 11 14 11 12 11 13 11 14 11 12 11 13 11 14 11 12 11 13 11 14 11 11 15 12 14 13 18 14 12 15 12 16 18 18 18 18 18 18 18 18 18 19 12 15 21 16 46 17 11 16 23 19 20 19 20 21 42 22 29 21 42 22 29 21 42 22 29 21 42 21 50 21 16	11° 0' 11 1 1 11 12 1 11 1 2 1 11 1 3 1 11 4 1 11 5 1 11 7 11 13 11 11 13 11 11 13 11 11 13 11 11 1	12° 0' 12 12 12 12 12 12 12 13 12 14 12 15 12 14 12 16 12 12 12 12 12 14 12 16 12 19 12 12 12 12 12 13 12 14 14 11 14 13 11 14 14 11 14 11 14 11 14 11 14 11 15 15 18 16 17 17 18 18 16 17 17 18 18 18 18 19 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18

DECLINATION	

Lat.	13°	14°	15°	16°	17°	18°	19°	20°	21°	22°	23°	23° 23′
1° 2 3 4 4 5 6 6 7 8 9 10 111 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 7 28 29 30 31 32 33 34 42 44 45 46 47 48 49 49 50 51 52 53 44 45 56 66 66 66 66 66 66 66 66 66 66 66 66	13° 0' 13° 10° 13° 13° 13° 13° 13° 13° 13° 13° 13° 13	14* 0' 14 1 1 14 2 3 14 15 14 16 14 19 14 12 14 16 14 17 14 18 14 16 14 19 14 16 14 19 14 16 14 17 17 17 17 17 17 17 17 17 17 17 17 17	15° 0' 15 1 1 15 2 1 15 15 1 1 15 2 1 15 4 15 17 15 11 15 17 15 21 1 15 17 15 21 15 17 15 21 15 17 15 21 15 17 15 21 15 17 15 21 15 17 15 21 15 27 15	16° 0' 16 1 16 2 16 6 2 16 6 5 16 7 16 10 16 12 16 15 16 18 16 22 16 15 16 18 16 22 17 10 17 18 17 12 17 17 10 17 18 11 18 22 17 52 18 11 18 22 17 52 18 11 19 25 19 20 28 22 20 22	17° 0' 17 1 17 1 17 3 17 4 17 6 17 8 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 19 19 20 19 32 11 11 20 10 20 24 20 39 20 55 21 11 21 22 20 24 20 39 20 24 20 39 20 25 21 21 20 20 21 22 20 24 20 39 20 35 21 12 20 20 21 22 20 24 20 39 21 22 20 24 20 39 21 22 20 55 21 11 21 22 20 24 20 39 31 31 22 25 23 25 25 25 28 27 41 29 4 20 30 39 31 31 31 32 29 50 33 33 30 30 31 31 32 28 33 32 55 57	18° 0' 18 1 18 12 18 3 18 4 18 6 18 8 18 11 18 14 18 12 18 25 18 34 18 29 18 34 18 58 19 12 19 20 19 20 19 20 20 29 20 41 20 20 29 20 41 20 20 29 20 41 21 3 20 29 20 41 21 50 20 29 20 41 21 50 20 29 20 41 21 50 20 29 20 41 21 50 20 29 20 41 21 8 20 29 20 41 20 52 55 55 50 62 57 77 30 62 88 64 23 47 24 104 25 26 23 47 24 104 25 26 26 57 27 30 28 84 29 25 28 44 29 25 30 5 30 30 30 30 30 30 31 30 32 36 33 33 34 34 35 40 39 30 39 30 40 59 40 59 40 59	19° 0' 19 1 19 2 19 3 19 5 19 7 19 9 19 12 19 15 19 18 19 22 19 26 19 28 20 18 20 18 20 25 20 33 20 53 21 14 20 25 20 33 21 13 22 5 22 19 22 55 22 19 22 25 23 25 23 24 24 24 24 24 24 24 24 24 24 24 24 24 25 9 26 26 25 27 2	20° 0′ 1 20 20 1 20 20 3 20 5 20 7 20 19 20 16 20 19 20 24 20 33 20 38 20 30 20 20 20 20 20 20 20 20 20 20 20 20 20	21° 0′ 211 1 2 21 2 2 21 3 2 21 1 3 21 1 16 21 22 21 3 25 21 3 3 21 21 5 3 22 21 3 3 22 21 3 3 22 21 5 3 22 2 3 4 22 2 4 27 24 4 3 2 2 5 5 7 26 18 25 37 26 18 25 37 26 18 27 28 21 27 24 27 24 28 21 28 25 37 33 53 30 27 31 42 28 21 28 25 37 34 43 33 53 36 36 36 33 33 37 34 43 38 40 39 51 44 49 46 52 8 54 50 57 59 61 46	22° 0' 22° 1 22° 22° 3 22° 22° 8 22° 23° 22° 28 22° 14 22° 11 22° 21 22° 26 22° 37 22° 43° 22° 33° 22° 23° 30° 22° 31° 22° 31° 22° 23° 30° 22° 31° 22° 23° 30° 22° 30° 22° 30° 22° 30° 22° 30° 22° 30° 22° 30° 22° 30° 22° 30° 22° 30° 22° 30° 30° 30° 30° 32° 33° 30° 32° 33° 33° 33° 33° 33° 33° 33° 33° 33	23° 0' 23° 1 23° 24 23° 4 23° 8 23° 11 23° 18 23° 18 23° 11 23° 18 23° 23° 23° 23° 23° 23° 23° 23° 23° 23°	23° 28' 23 290 23 322 23 342 23 366 223 392 23 343 223 451 23 566 224 524 524 525 26 25 381 26 48 225 27 27 23 27 41 28 20 29 29 25 25 27 27 23 27 47 28 21 28 21 29 29 29 25 25 30 29 29 25 25 30 29 29 29 29 29 29 29 29 29 29 29 29 29

A TABLE SHEWING THE TIME OF THE SUN'S SETTING, WHEN AND THE TIME OF ITS RISING, WHEN THE LATITUDE

				:	DECLINATIO	N.				
Lat.	0°	1°	2° 3°	4°	5° 6°	7°	8° 9°	10°	11°	12°
1° 2 3 4 5 6 6 7 8 9 10 112 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 30 30 40 41 42 43 44 45 46 447 48 49 50 51 52 53 55 56 56 56 56 56 60	H, M. 6 00 6 00 6 00 6 00 6 00 6 00 6 00 6	H. M. 6 000	6 00 6 6 6 6 00 6 00	L. H. M. M. O	0 6 00 6 00 6 00 6 01 6 01 6 01 6 01 6	6 04 6 05 6 05 6 06 6 06 6 07 6 08 6 09 6 10 6 11 6 11 6 12 6 13 6 14 6 14 6 16 6 16 6 17 6 18	H. M. H. M. 60 01 6 01 6 01 6 01 6 01 6 02 6 02 6 0	6 03 6 04 6 04 6 05 6 06 6 06 6 07 6 08 6 09 6 10 6 12 6 13 6 14 6 16 6 16 6 16 6 17 6 18 6 19 6 20 6 10 6 12 6 22 6 23 6 24 6 25 6 26 6 27 6 28 6 32 6 32 6 32 6 32 6 33 6 44 6 37 6 38 6 38 6 38 6 38 6 38 6 38 6 38 6 38	H. M. 6 012 6 02 6 03 6 05 6 06 07 08 16 17 16 0 18 18 18 18 18 18 18 18 18 18 18 18 18	H. M. 6 01 6 02 6 03 6 03 6 03 6 05 6 07 6 09 6 09 6 09 6 11 6 11 6 13 6 14 6 15 6 16 6 17 6 18 6 19 6 20 6 21 6 23 6 25 6 26 27 6 28 6 27 6 28 6 27 6 28 6 27 6 28 6 27 6 28 6 27 6 28 6 27 7 6 28 7 7 7 7 0 6 7 7 0 6 7 7 0 6 7 7 0 8 7 7 13 6 7 20 7 28

THE LATITUDE AND DECLINATION ARE OF THE SAME NAME;
AND DECLINATION ARE OF DIFFERENT NAMES.

					Di	ECLINA	ATION.					
Lat.	13°	14°	15°	16°	17°	18°	19°	20°	21°	22°	23°	23° 28′
1° 2 3 4 4 5 6 7 8 8 9 10 11 12 13 14 15 6 17 18 19 20 1 22 2 23 30 31 32 2 33 33 4 5 5 5 5 6 7 8 5 9 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	H. M. 6 012 6 03 6 04 6 05 6 06 6 06 6 07 6 08 6 09 6 10 6 11 6 12 6 13 6 14 6 16 6 17 6 18 6 19 6 22 6 23 6 23 6 33 6 40 6 45 6 55 6 57 02 7 04 7 06 7 09 7 11 7 14 7 17 20 7 23 7 34	H. M. 6 01 6 02 6 03 6 04 6 05 6 06 6 06 6 07 6 08 6 10 6 12 6 13 6 14 6 15 6 15 6 22 6 23 6 25 6 27 6 28 6 29 6 30 6 30 6 40 2 6 43 6 25 6 54 6 56 56 52 6 54 6 56 52 6 54 6 56 56 52 7 7 02 7 14 7 20 7 7 20 7 38 7 27 7 30 7 38 7 42	H. M. 6 012 6 03 6 03 6 04 6 05 6 06 6 08 6 09 6 10 6 11 6 12 6 13 6 15 6 16 6 16 6 22 6 27 6 29 6 27 6 29 6 31 6 34 6 37 6 39 6 37 6 39 6 37 7 6 39 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7 41 7 45 7 49 7 54	H. M. 6 6 01 6 02 6 04 6 05 6 06 6 06 6 07 6 09 6 10 6 12 6 14 6 15 6 16 6 16 6 22 6 24 6 27 6 28 6 30 6 31 6 32 6 34 6 36 6 37 6 39 6 41 6 55 6 57 7 7 7 7 7 7 7 9 7 7 7 7 7 9 7 7 7 7 7	H. M. 6 01 6 01 6 01 6 05 6 07 6 08 6 09 6 10 6 12 6 13 6 14 6 16 6 17 6 19 6 20 6 23 6 24 6 23 6 24 6 23 6 24 6 26 6 27 6 30 6 32 6 32 6 36 6 38 6 40 6 38 6 40 6 40 6 51 6 53 6 6 57 6 7 01 7 03 7 16 7 18 7 19 7 22 7 25 7 28 7 31 7 11 7 13 7 16 7 19 7 22 7 25 7 28 7 31 7 11 7 13 7 16 8 00 8 17 17 18 17 15 8 00 8 01 8 17	H. M. 6 0 03 6 04 06 07 06 07 07 07 12 7 24 7 27 7 30 3 8 08 8 08 8 26 8 16 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 56 8 00 8 05 8 11 8 16 8 22 8 29	H. M. 6 6 02 6 03 6 05 6 06 6 08 6 11 6 12 6 14 6 16 6 19 6 22 6 24 6 27 6 29 6 30 6 32 6 36 6 38 6 41 6 45 6 47 6 47 7 53 7 7 41 7 21 7 27 7 30 7 12 7 15 8 02 8 08 8 19 8 25 8 39 8 47	H. M. 6 6 02 6 08 6 08 6 08 6 11 6 13 6 15 6 16 6 20 6 21 6 28 6 25 6 34 6 32 6 34 6 38 6 39 7 07 7 11 7 16 7 10 7 12 7 25 7 25 7 25 7 35 7 35 7 43 7 43 7 45 8 58	H. M. 6 6 02 6 08 6 07 6 09 6 12 6 14 6 15 6 17 6 19 6 21 6 24 6 26 6 30 6 32 6 30 6 32 6 30 6 32 6 30 7 7 27 7 30 7 7 40 7 7 12 7 15 7 20 7 27 7 30 7 27 7 30 7 27 7 30 7 28 8 23 8 36 8 43 8 43 8 9 00 9 9	H. M. 6 02 6 03 6 05 6 07 6 09 6 10 6 12 6 14 6 25 6 27 6 31 6 34 6 36 6 40 6 45 6 47 7 05 7 03 7 11 4 7 16 7 22 7 25 7 29 7 32 7 29 7 32 7 29 7 32 7 43 7 15 5 8 00 8 48 27 8 27 8 27 15 8 27 7 55 8 00 8 10 8 15 16 9 15

	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	
Iin.	0	1	2	3	4	5	6	7	8	9	Min
0	•0	60.0	120.0	180.1	240.2	300.4	360.7	421.1	481.6	542.2	0
1	1.0	61.0	121.0	181.1	241.2	301.4	361.7	422.1	482.6	543.3	ĭ
2	2.0	62.0	122.0	182.1	242.2	302.4	362.7	423.1	483.6	544.3	2
3	3.0	63.0	123.0	183.1	243.2	303.4	363.7	424.1	484.6	545.3	
4	4.0	64.0	124.0	184.1	244.2	304.4	364.7	425.1	485.6	546.3	4
5	5.0	65.0	125.0	185.1	245.2	305.4	365.7	426.1	486.6	547.3	5
6	6.0	66.0	126.0	186.1	246.2	306.4	366.7	427.1	487.6 488.6	548·3 549·3	7
7 8	7·0 8·0	67.0	127·0 128·0	187·1 188·1	247·2 248·2	307·4 308·4	367·7 368·7	428·1 429·1	489.6	550.3	5
9	9.0	68.0	129.0	189.1	249.2	309.4	369.7	430.1	490.7	551.4	8
10	10.0	70.0	130.0	190.1	250.2	310.4	370.7	431.1	491.7	552.4	10
11	11.0	71.0	131.0	191.1	251.2	311.4	371.7	432.1	492.7	553.4	11
12	12.0	72.0	132.0	192.1	252.2	312.4	372.7	433.1	493.7	554.4	15
13	13.0	73.0	133.0	193.1	253.2	313.4	373.7	434.2	494.7	555.4	13
14 15	14·0 15·0	74·0 75·0	134.0 135.0	194·1 195·1	254·2 255·2	314·4 315·4	374·7 375·7	435·2 436·2	495.7	556·4 557·4	14
16	16.0	76.0	136.0	196.1	256.2	316.4	376.8	437.2	497.7	558.4	16
17	17.0	77.0	137.0	197.1	257 2	317.5	377.8	438.2	498.7	559.4	1
18	18.0	78.0	138.0	198.1	258.2	318.5	378.8	439.2	499.8	560.5	18
19	19.0	79.0	139.0	199.1	259.2	319.5	379.8	440.2	500.8	561.5	19
20	20.0	80.0	140.0	200.1	260.2	320.5	380.8	441.2	501.8	562.5	20
21	21.0	81.0	141.0	201.1	261.3	321.5	381.8	442.2	502.8	563.5	2:
22 23	22.0	82.0	142.0	202.1	262.3	322.5	382.8	443.2	503.8	564.5	25
24	23.0	83·0 84·0	143·0 144·0	203.1	263·3 264·3	323·5 324·5	383 ·8 384 ·8	444·2 445·2	504·8 505·8	565·5 566·6	24
25	25.0	85.0	145.0	205.1	265.3	325.2	385.8	446.3	506.8	567.6	25
26	26.0	86.0	146.0	206.1	266.3	326.5	386.8	447.3	507.8	568.6	2
27	27.0	87.0	147.0	207.1	267.3	327.5	387.8	448.3	508-9	569.6	2
28	28.0	88.0	148.0	208.1	268.3	328.5	388.8	449.3	509.9	570.6	28
29 30	29.0	89.0	149·0 150·0	209·1 210·1	269·3 270·3	329·5 330·5	389·8 390·8	450·3 451·3	510·9 511·9	571.6 572.6	39
31	31.0	91.0	151.0	211.1	271.3	331.5	391.8	452.3	512.9	573.7	3
32	32.0	92.0	152.0	212.1	272.3	332.5	392.9	453.3	513.9	574.7	35
33	33.0	93.0	153.1	213.1	273.3	333.5	393-9	454.8	514.9	575.7	3
34	34.0	94.0	154.1	214.1	274 3	334.5	394.9	455.3	515-9	576.7	3
35	35.0	95.0	155.1	215.1	275.3	335.5	395.9	456.3	516.9	577.7	3
36 .	36.0	96.0	156.1	216.1	276.3	336.5	396.9	457.3	518.0	578.7	3
37	37.0	97.0	157.1	217.1	277.3	337.5	397.9	458.4	519.0	579.7	3
38 39	38.0	98.0	158·1 159·1	218·1 219·1	278·3 279·3	338·5 339·6	398·9 399 <b>·</b> 9	459·4 460·4	520·0 521·0	580·8 581·8	3
40	40.0	100.0	160.1	220.2	280.3	340.6	400.9	461.4	522.0	582.8	4
41	41.0	101.0	161.1	221.2	281.3	341.6	401.9	462.4	523.0	583.8	4
42	42.0	102.0	162.1	222.2	282.3	342.6	402.9	463.4	524.0	584.8	4
43	43.0	103.0	163.1	223.2	283.3	343.6	403.9	464.4	525.0	585.8	4
44 45	44.0	104·0 105·0	164·1 165·1	224·2 225·2	284·3 285·3	344·6 345·6	404·9 405·9	465·4 466·4	526·0 527·1	586·8 587·9	4
				226.2	286.3		407.0				4
46	46.0	106·0 107·0	166·1 167·1	226.2	286.3	346·6 347·6	407.0	467·4 468·4	528·1 529·1	588 <b>·9</b> 589 <b>·9</b>	4
48	48.0	108.0	168.1	228.2	288.3	348.6	409.0	469.5	530.1	590.9	4
49	49.0	109.0	169.1	229.2	289.3	349 6	410.0	470.5	531.1	591.9	4
50	50.0	110.0	170.1	230.2	290.3	350.6	411.0	471.5	532.1	592.9	5
51	51.0	111.0	171.1	231.2	291.3	351.6	412.0	472.5	533.1	593-9	5
52	52.0	112.0	172.1	232.2	292.4	352.6	413.0	473.5	534.1	595.0	5
53 54	53·0 54·0	113·0 114·0	173·1 174·1	233·2 234·2	293.4	353·6 354·6	414·0 415·0	474·5 475·5	535 ·1 536 ·2	596.0	5 5
55	55.0	115.0	174.1	234.2	294.4	355.6	416.0	476.5	537.2	597 <b>·0</b> 598 <b>·</b> 0	5
56	56.0	116.0	176.1	236.2	296.4	356.6	417.0	477.5	538-2	599.0	5
57	57.0	117.0	177.1	237.2	297.4	357.6	418.0	478.5	539.2	600.0	5
58	58.0	118.0	178.1	238.2	298.4	358.6	419.0	479.5	540.2	601.0	5
59	59.0	119.0	179.1	239 2	299.4	359.6	420.0	480.5	541.2	602.1	5

	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	
Min.	10	11	12	13	14	15	16	17	18	19	Mi
0	603.1	664.1	725.3	786.8	848.5	910.5	972.8	1035:3	1098-2	1161.5	
1	604.1	665.1	726.4	787.8	849.5	911.5	973.8	1036.3	1099.3	1162.5	
2	605.1	686.1	727.4	788.8	850.5	9126	974.8	1037.4	1100.3	1163.6	
3	606.1	667.1	728.4	789.9	851.6	913.6	975-9	1038.4	1101.4	1164.7	
4	607.1	668.1	729.4	790-9	852.6	914.6	976.9	1039.5	1102.4	1165.7	1 7
5	608.2	669.2	730.5	791.9	853.6	915.7	978.0	1040.5	1103.5	1166.8	1
6	609.2	670.2	731.5	792.9	854.7	916-7	979.0	1041.6	1104.5	1167.8	1
8	610.2	671.2	732.5	794.0	855.7	917.7	980.0	1042.6	1105.6	1168.9	
9	611·2 612·2	672·2 673·2	733·5 734·5	795·0 796·0	856 <b>·7</b> 857 <b>·</b> 8	918·8 919·8	981.1	1043-7	1106.6	1170.0	
10	613.2	674.3	735.6	797.0	858.8	920.8	982·1 983·2	1044·7 1045·8	1107·7 1108·7	1171·0 1172·1	1
11	614.2	675:3	736.6	798.1	859.8	921-9	984-2	1046.8	1109.8	1173-1	1
12	615.3	676.3	737.6	799.1	860.9	922-9	985.2	1047.9	1110.8	1174.2	1
13	616.3	677.3	738.6	800-2	861.9	923-9	986.3	1048-9	1111-9	1175-2	1
14	617.3	678.4	739.6	801.2	862-9	925.0	987.3	1049.9	1112-9	1176.3	1
15	618.3	679.4	740.7	802.2	864.0	926.0	988.4	1051.0	1114.0	1177.4	1
16	619.3	680.4	741.7	803-2	865.0	927.0	989-4	1052.0	1115.0	1178.4	10
17	620.3	681.4	742.7	804.2	866.0	928.1	990.4	1053.1	1116.1	1179.5	1
18	621.3	682.4	743.7	805.3	867.1	929.1	991.5	1054.1	1117.1	1180.5	1
19 20	622·4 623·4	683·4 684·5	744·8 745·8	806·3 807·3	868·1 869·1	930·1 931·2	992.5	1055·2 1056·2	1118·2 1119·2	1181.6 1182.7	20
21	624.4	685.5	746.8	808-4	870-1	932-2	994.6	1057:3	1120.3	1183-7	2
22	625.4	686.5	747.8	809.4	871.2	933.2	995.6	1058.3	1121 3	1184.8	2
23	626.4	687.5	748.9	810.4	872.2	934.3	996.7	1059.4	1122.4	1185.8	2
24	627 .4	688.5	749-9	811.4	873.2	935.3	997.7	1060.4	1123.4	1186.9	2
25	628.5	689.6	750-9	812.5	874.3	936.3	998.8	1061.4	1124.5	1188.0	24
26	629.5	690.6	751.9	813.5	875.3	937.4	999.8	1062.5	1125.5	1189.0	2
27	630.5	691.6	753.0	814.5	876.3	938.4	1000.8	1063.5	1126.6	1190.1	2
28	631.5	692.6	754.0	815.5	877.4	939.4	1001.9	1064.6	1127.6	1191.1	28
29 30	632·5	693·6 694·7	755°0 756°0	816·6 817·6	878·4 879·4	940·5 941·5	1002.9	1065·6 1066·7	1128·7 1129·7	1192·2 1193·2	30
31	634.6	695 • 7	757.1	818.6	880.5	942.5	1005.0	1067.7	1130.8	1194.3	3
32	635.6	696.7	758-1	819.6	881.5	943.6	1008.1	1068.8	1131.8	1195.4	3
33	636.6	697.7	759.1	820.7	882.5	944.6	1007 1	1069.8	1132.9	1196.4	35
34	637.6	698.7	760.1	821.7	883.6	945.6	1008-1	1070-9	1134.0	1197.5	3
35	638.6	699.8	761.1	822.7	884.6	946.7	1009.2	1072.0	1135.1	1198.5	34
36	639.6	700.8	762-2	823.8	885.6	947.7	1010.2	1073.0	1136.1	1199.6	36
37	640.7	701.8	763.2	824.8	886.7	948.7	1011.3	1074.1	1137.2	1200 -7	3
38	641.7	702.8	764.2	825.8	887.7	949.8	1012.3	1075.1	1138.2	1201.7	38
39	642·7 643·7	703·8 704·9	765·2 766·3	826·8 827·9	888·7 889·8	950·8 951·9	1013·4 1014·4	1076·2 1077·2	1139·3 1140·3	1202·8 1203·9	39
41	644.7	705·9 706·9	767·3 768·3	828·9 829·9	890.8	952·9 953·9	1015·4 1016·5	1078.3	1141·4 1142·4	1204·9 1206·0	4:
42	646.8	700-9	769.3	831.0	892.9	955.0	1016.2	1079 <b>·3</b> 1080 <b>·4</b>	1142.4		45
43	647.8	709.0	770.4	832.0	893 9	956.0	1017.5	1081.4	1144.6	1207·1 1208·1	44
45	648.8	710.0	771.4	833.0	894.9	957.1	1019.6	1082.5	1145.6	1209.2	4
46	649.8	711.0	772.4	834.1	896.0	958.1	1020.6	1083.5	1146.7	1210-2	40
47	650.8	712.0	773.4	835.1	897.0	959 2	1021.7	1084.6	1147.7	1211.3	4
48	651.9	713.0	774.5	836.1	898.0	960.2	1022.7	1085.6	1148.8	1212.4	48
49	652.9	714.1	775.5	837.2	899.1	961.3	1023.8	1086.7	1149.8	1213.4	49
50	653.9	715.1	776.5	838.2	900.1	962.3	1024.8	1087.7	1150.9	1214.5	50
51	654.9	716.1	777.5	839.2	901.1	963-4	1025-9	1088.8	1152.0	1215.5	5
52	655.9	717.1	778.6	840.2	902-2	964.4	1026.9	1089.8	1153.0	1216.6	55
53	657.0	718.2	779.6	841.3	903.2	965.5	1028.0	1090.9	1154.1	1217-7	53
54 55	658·0 659·0	719·2 720·2	780·6 781·7	842·3 843·4	904.3	966·5 967·6	1029·0	1091.9	1155·1 1156·2	1218·7 1219·8	54
56	660.0	721-2	782-7	844.4	906.3	968-6	1031 ·1	1094.0	1157-2	1220.9	50
57	661.0	722.3	783.7	845.4	907.4	969.6	1032.2	1095.1	1158.3	1221.9	57
58	662.1	723.3	784.7	846.5	908.4	970.7	1033.2	1096.1	1159.4	1223.0	58
59	663.1	724.3	785.8	847 5	909.4	971 7	1034.3	1097-2	1160.4	1224.1	58

Min.	Deg. 20	Deg. 21	Deg. <b>22</b>	Deg. 23	Deg. <b>24</b>	Deg. <b>25</b>	Deg. 26	Deg. <b>27</b>	Deg. 28	Deg. 29	Min.
0	1225·1	1289·2	1353.7	1418·6	1484·1	1550°0	1616 <b>·5</b>	1683·5	1751·2	1819·5	0
1	1226·2	1290·3	1354.8	1419·7	1485·2	1551°1	1617·6	1684·6	1752·3	1820·6	1
2	1227·3	1291·3	1355.8	1420·8	1486·3	1552°2	1618·7	1685·8	1753·4	1821·7	2
3	1228·3	1292·4	1356.9	1421·9	1487·3	1553°3	1619·8	1686·9	1754·6	1822·9	3
4	1229·4	1293·5	1358.0	1423·0	1488·4	1554°4	1620·9	1688·0	1755·7	1824·0	4
5	1230·4	1294·5	1359.0	1424·1	1489·5	1555°5	1622·0	1689·1	1756·8	1825·2	5
6	1231.5	1295.6	1360·1	1425·1	1490.6	1556.6	1623·2	1690·3	1758·0	1826·3	6
7	1232.6	1296.7	1361·2	1426·2	1491.7	1557.7	1624·3	1691·4	1759·1	1827·5	7
8	1233.6	1297.8	1362·3	1427·3	1492.8	1558.8	1625·4	1692·5	1760·2	1828·6	8
9	1234.7	1298.8	1363·4	1428·4	1493.9	1559.9	1626·5	1693·6	1761·4	1829·7	9
10	1235.8	1299.9	1364·5	1429·5	1495.0	1561.0	1627·6	1694·8	1762·5	1830·9	10
11	1236·8	1301 ·0	1365.6	1430.6	1496·1	1562·1	1628.7	1695·9	1763·6	1832·0	11
12	1237·9	1302 · 0	1366.6	1431.7	1497·2	1563·2	1629.8	1697·0	1764·8	1833·2	12
13	1239·0	1303 · 1	1367.7	1432.8	1498·3	1564·3	1631.0	1698·1	1765·9	1834·3	13
14	1240·0	1304 · 2	1368.8	1433.9	1499·4	1565·4	1632.1	1699·3	1767·0	1835·5	14
15	1241·1	1305 · 3	1369.9	1434.9	1500·5	1566·5	1633.2	1700·4	1768·2	1836·6	15
16	1242·2	1306·3	1370·9	1436·0	1501.6	1567·6	1634·3	1701.5	1769·3	1837·8	16
17	1243·2	1307·4	1372·0	1437·1	1502.7	1568·7	1635·4	1702.6	1770·5	1838·9	17
18	1244·3	1308·5	1373·1	1438·2	1503.8	1569·8	1636·5	1703.8	1771·6	1840·1	18
19	1245·4	1309·6	1374·2	1439·3	1504.9	1571·0	1637·7	1704.9	1772·7	1841·2	19
20	1246·4	1310·6	1375·3	1440·4	1506.0	1572·1	1638·8	1706.0	1773·9	1842·4	20
21	1247.5	1311.7	1376·4	1441.5	1507·1	1573·2	1639·9	1707·1	1775·0	1843·5	21
22	1248.6	1312.8	1377·4	1442.6	1508·2	1574·3	1641·0	1708·3	1776·1	1844·6	22
23	1249.6	1313.8	1378·5	1443.7	1509·3	1575·4	1642·1	1709·4	1777·2	1845·8	23
24	1250.7	1314.9	1379·6	1444.8	1510·4	1576·5	1643·2	1710·5	1778·4	1846·9	24
25	1251.8	1316.0	1380·7	1445.8	1511·5	1577·6	1644·3	1711·6	1779·5	1848·1	25
26	1252·8	1317·1	1381·8	1446·9	1512·6	1578·7	1645.5	1712·8	1780.6	1849·2	26
27	1253·9	1318·1	1382·8	1448·0	1513·7	1579·8	1646.6	1713·9	1781.8	1850·4	27
28	1255·0	1319·2	1383·9	1449·1	1514·8	1580·9	1647.7	1715·0	1783.0	1851·5	28
29	1256·0	1320·3	1385·0	1450·2	1515·9	1582·0	1648.8	1716·1	1784.1	1852·7	29
30	1257·1	1321·4	1386·1	1451·3	1517·0	1583·2	1649.9	1717·3	1785.2	1853·8	30
31	1258·2	1322·5	1387 · 2	1452·4	1518·1	1584·3	1651.0	1718·4	1786·4	1855·0	31
32	1259·2	1323·5	1388 · 3	1453·5	1519·2	1585·4	1652.2	1719·5	1787·5	1856·1	32
33	1260·3	1324·6	1389 · 4	1454·6	1520·3	1586·5	1653.3	1720·7	1788·6	1857·2	33
34	1261·4	1325·7	1390 · 4	1455·6	1521·4	1587·6	1654.4	1721·8	1789·8	1858·4	34
35	1262·4	1326·7	1391 · 5	1456·7	1522·5	1588·7	1655.5	1722·9	1790·9	1859·6	35
36	1263.5	1327·8	1392.6	1457.8	1523·6	1589.8	1656.6	1724.0	1792·1	1860·7	36
37	1264.6	1328·9	1393.7	1458.9	1524·7	1590.9	1657.8	1725.2	1793·2	1861·9	37
38	1265.6	1330·0	1394.8	1460.0	1525·8	1592.0	1658.9	1726.3	1794·3	1863·0	38
39	1266.7	1331·0	1395.8	1461.1	1526·9	1593.2	1660.0	1727.4	1795·5	1864·2	39
40	1267.8	1332·1	1396.9	1462.2	1528·0	1594.3	1661.1	1728.6	1796·6	1865·3	40
41	1268·8	1333·2	1398·0	1463·3	1529·1	1595·4	1662·2	1729·7	1797.8	1866.5	41
42	1269·9	1334·3	1399·1	1464·4	1530·2	1596·5	1663·4	1730·8	1798.9	1867.6	42
43	1271·0	1335·3	1400·2	1465·5	1531·3	1597·6	1664·5	1731·9	1800.0	1868.8	43
44	1272·1	1336·4	1401·3	1466·6	1532·4	1598·7	1665·6	1733·1	1801.2	1869.9	44
45	1273·1	1337·5	1402·4	1467·7	1533·5	1599·8	1666·7	1734·2	1802.3	1871.1	45
46	1274·2	1338·6	1403·4	1468·8	1534·6	1600·9	1667·8	1735·3	1803·5	1872·2	46
47	1275·3	1339·7	1404·5	1469·8	1535·7	1602·0	1669·0	1736·5	1804·6	1873·4	47
48	1276·3	1340·7	1405·6	1470·9	1536·8	1603·1	1670·1	1737·6	1805·7	1874·5	48
49	1277·4	1341·8	1406·7	1472·0	1537·9	1604·3	1671·2	1738·7	1806·9	1875·7	49
50	1278·5	1342·9	1407·8	1473·1	1539·0	1605·4	1672·3	1739·9	1808·0	1876·8	50
51	1279·5	1344·0	1408·8	1474·2	1540·1	1606:5	1673·4	1741·0	1809·2	1878·0	51
52	1280·6	1345·1	1409·9	1475·3	1541·2	1607:6	1674·5	1742·1	1810·3	1879·2	52
53	1281·7	1346·1	1411·0	1476·4	1542·3	1608:7	1675·7	1743·2	1811·4	1880·3	53
54	1282·8	1347·2	1412·1	1477·5	1543·4	1609:8	1676·9	1744·4	1812·6	1881·5	54
55	1283·8	1348·3	1413·2	1478·6	1544·5	1610:9	1678·0	1745·5	1813·7	1882·6	55
56	1284·9	1349·4	1414·3	1479·7	1545.6	1612·0	1679·1	1746.6	1814·9	1883 ·8	56
57	1286·0	1350·4	1415·4	1480·8	1546.7	1613·1	1680·2	1747.8	1816·0	1884 ·9	57
58	1287·0	1351·5	1416·5	1481·9	1547.8	1614·2	1681·3	1748.9	1817·2	1886 ·1	58
59	1288·1	1352·6	1417·6	1483·0	1548.9	1615·4	1682·4	1750.0	1818·3	1887 ·2	59

3 4 4 5 6 6 7 7 8 8 9 110 111 12 113 14 15 16 17 18 119 20 12 22 22 23 24 22 5 26 27 28 29 30 31 33 2	1888·4 1889·5 1890·7 1891·9 1893·0 1894·1 1895·3 1896·5 1897·6 1898·8 1899·9	1958·0 1959·2 1960·4 1961·6 1962·7 1963·9 1965·0 1966·2 1967·4	2028·4 2029·6 2030·7 2031·9 2033·1 2034·3 2035·5	2099·6 2100·7 2101·9 2103·1 2104·3 2105·5	2171·5 2172·7 2173·9 2175·1	2244·3 2245·5 2246·8	2318·0 2319·3	2392·7 2393·9	2468·3 2469·6	2545·0	Min
3 4 4 5 6 7 7 8 9 9 110 111 12 113 14 15 16 17 18 119 20 1 22 22 23 24 22 5 26 7 27 28 29 30 31 33 2	1889·5 1890·7 1891·9 1893·0 1894·1 1895·3 1896·5 1897·6 1898·8 1899·9	1959·2 1960·4 1961·6 1962·7 1963·9 1965·0 1966·2 1967·4	2029·6 2030·7 2031·9 2033·1 2034·3	2100·7 2101·9 2103·1 2104·3	2172·7 2173·9 2175·1	2245.5	2319.3				
2 3 4 4 5 6 6 7 8 9 110 111 12 13 114 15 16 17 18 119 20 21 22 22 23 24 22 5 26 27 28 29 30 31 33 2	1890·7 1891·9 1893·0 1894·1 1895·3 1896·5 1897·6 1898·8 1899·9	1960·4 1961·6 1962·7 1963·9 1965·0 1966·2 1967·4	2030·7 2031·9 2033·1 2034·3	2101·9 2103·1 2104·3	2173·9 2175·1			2393.9			
3 4 4 5 6 6 7 8 9 10 11 11 12 13 14 14 15 16 17 18 19 20 22 22 22 22 24 25 26 7 27 30 31 33 2	1891 9 1893 0 1894 1 1895 3 1896 5 1897 6 1898 8 1899 9	1961.6 1962.7 1963.9 1965.0 1966.2 1967.4	2031 ·9 2033 ·1 2034 ·3	2103·1 2104·3	2175.1	2246.8				2546.2	1
4 5 5 6 7 8 9 9 110 11 12 13 14 15 16 17 18 119 20 21 22 22 23 24 22 5 26 27 28 29 30 31 33 2	1893·0 1894·1 1895·3 1896·5 1897·6 1898·8 1899·9	1962·7 1963·9 1965·0 1966·2 1967·4	2033·1 2034·3	2104.3			2320.5	2395.2	2470.8	2547.5	2
5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 22 8 29 30 31 33 2	1894·1 1895·3 1896·5 1897·6 1898·8 1899·9	1963·9 1965·0 1966·2 1967·4	2034.3		0170-0	2248.0	2321.7	2396.4	2472.1	2548.8	1 3
7 8 9 9 110 111 12 13 14 15 16 17 18 19 20 22 22 22 22 24 25 26 27 28 29 30 31 32 2	1896.5 1897.6 1898.8 1899.9	1966·2 1967·4	2035.5		2176·3 2177·5	2249·2 2250·4	2323·0 2324·2	2397·7 2398·9	2473·4 2474·6	2550·1 2551·4	1
7 8 8 9 9 110 111 12 113 114 15 16 117 18 19 220 221 222 23 224 25 29 30 31 32 2	1897.6 1898.8 1899.9	1967.4		2106.7	2178.7	2251.6	2325.4	2400-2	2475-9	2552.7	
8 9 9 110 111 122 13 14 15 15 16 16 17 18 119 220 221 222 22 22 24 25 29 20 30 31 13 2	1898·8 1899·9		2036.7	2107.9	2180.0	2252.9	2326.7	2401.4	2477-1	2554.0	
110 111 122 13 144 155 166 177 18 19 220 221 222 23 24 225 226 227 28 29 30 31 32 2	1899.9		2037.8	2109.1	2181.2	2254.1	2327.9	2402.7	2478.5	2555.3	
11 11 12 13 14 15 16 17 18 19 220 22 22 22 23 24 25 26 27 28 29 30 30 31 32		1968·5 1969·7	2039·0 2040·2	2110·3 2111·5	2182·4 2183·6	2255·3 2256·5	2329·2 2330·4	2403·9 2405·2	2479·7 2481·0	2556·6 2557·8	1
112 113 114 115 116 117 118 119 20 21 212 222 223 224 225 229 30 31 32											1
13 14 15 16 17 18 19 20 21 22 22 23 24 25 26 27 28 30 31 32	1901·1 1902·3	1970·9 1972·0	2041.4	2112·7 2113·9	2184·8 2186·0	2257·8 2259·0	2331·6 2332·9	2406·4 2407·7	2482·3 2483·5	2559·1 2560·4	1
14 115 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	1903.4	1973.2	2043.8	2115.1	2187.2	2260.2	2334.1	2409.0	2484.8	2561.7	lî
15 16 17 18 19 20 20 21 22 22 22 23 24 25 26 27 28 29 30 31 32	1904.6	1974.4	2044.9	2116.3	2188.4	2261.4	2335.3	2410.2	2486.1	2563.0	î
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	1905.7	1975.6	2046.1	2117.5	2189.6	2262.7	2336.6	2411.5	2487.4	2564.3	ī
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	1906-9	1976.8	2047.3	2118.7	2190.8	2263.9	2337.8	2412.7	2488.6	2565.6	1
19 20 21 22 22 23 24 25 26 27 28 29 30 31 32	1908.1	1977.9	2048.5	2119.8	2192.0	2265.1	2339.0	2414.0	2489.9	2566.9	1
20 21 22 23 24 25 26 27 28 29 30 31 32	1909.2	1979 1	2049.7	2121.0	2193.3	2266.3	2340.3	2415.2	2491.2	2568.2	1
21 22 22 23 24 25 26 27 28 29 30 31 32	1910.4	1980.3	2050.8	2122.2	2194.5	2267.6	2341.5	2416.5	2492.5	2569.5	1
22 23 24 25 26 27 28 29 30 31 32	1911.5	1981.4	2052.0	2123.4	2195.7	2268.8	2342.8	2417.8	2493.7	2570.7	2
23 24 25 26 27 28 29 30 31 32	1912·7 1913·8	1982·6 1983·7	2053·2 2054·4	2124·6 2125·8	2196·9 2198·1	2270.0	2344·0 2345·3	2419·0 2420·3	2495.0	2572.0	2
24 25 26 27 28 29 30 31 32	1915.0	1984.9	2055.6	2125.8	2199.1	2271·2 2272·5	2346.5	2420.3	2496·3 2497·6	2573.3	2 2
25 26 27 28 29 30 31 32	1916.2	1986.1	2056.8	2128.2	2200.5	2273.7	2347.8	2422.8	2497 0	2574·6 2575·9	2
27 28 29 30 31 32	1917.3	1987.3	2058.0	2129.4	2201.7	2274 9	2349.0	2424.0	2500.1	2577.2	2
27 28 29 30 31 32	1918.5	1988.4	2059.1	2130.6	2203.0	2276.1	2350.2	2425.3	2501.4	2578.5	2
29 30 31 32	1919.6	1989.6	2060.3	2131.8	2204.2	2277.4	2351.5	2426.5	2502.7	2579.8	2
30 31 32	1920.8	1990.8	2061.5	2133.0	2205.4	2278.6	2352.7	2427.8	2503.9	2581.1	2
31 32	1921·9 1923·1	1992 <b>·</b> 0	2062·7 2063·9	2134·2 2135·4	2206·6 2207·8	2279·8 2281·0	2354·0 2355·2	2429·1 2430·3	2505·2 2506·5	2582·4 2583·7	3
32											
	1924.3	1994.3	2065.1	2136.6	2209.0	2282.3	2356.5	2431.6	2507.8	2585.0	3
33	1925.4	1995.5	2066.2	2137.8	2210.2	2283.5	2357.7	2432.9	2509.0	2586.3	3
	1926·6 1927·8	1996.6	2067·4 2068·6	2139·0 2140·2	2211·4 2212·7	2284·7 2286·0	2358·9 2360·2	2434·1 2435·4	2510·3 2511·6	2587·6 2588·9	3
	1928.9	1997·8 1999·0	2069.8	2141.4	2213.9	2287.2	2361.4	2436.7	2512.9	2590.2	9
	1930.1	2000-2	2071.0	2142.6	2215.1	2288-4	2362.7	2437.9	2514.2	2591.5	3
	1931.3	2001.3	2072.2	2143.8	2216.3	2289.7	2363.9	2439.2	2515.4	2592.8	3
	1932.4	2002.5	2073.4	2145.0	2217.5	2290.9	2365.2	2440.4	2516.7	2594.1	3
	1933.6	2003.7	2074.6	2146.2	2218.7	2292.1	2366.4	2441.7	2518.0	2595.4	3
40	1934.7	2004.9	2075.7	2147.4	2219.9	2293.3	2367.7	2443.0	2519.3	2596.7	4
XX.	1935.9	2006.0	2076.9	2148.6	2221.2	2294.6	2368.9	2444.2	2520.6	2598.0	4
	1937.1	2007·2 2008·4	2078·1 2079·3	2149·8 2151·0	2222.4	2295·8 2297·0	2370·2 2371·4	2445·4 2446·8	2521·8 2523·1	2599·3 2600·6	4
10	1938·2 1939·4	2009.6	2079 3	2152.2	2224.8	2298.3	2372.7	2448.0	2524.4	2601.9	4
	1940.5	2010.7	2081.7	2153.4	2226.0	2299.5	2373.9	2449.3	2525.7	2603.2	4
	1941.7	2011.9	2082.9	2154.6	2227-2	2300.7	2375.2	2450.6	2527.0	2604.5	4
	1942.9	2013.1	2084.1	2155.8	2228.5	2302.0	2376.4	2451.8	2528.3	2605.8	4
48	1944.0	2014.3	2085.3	2157.0	2229.7	2303.2	2377.7	2453.1	2529.5	2607.1	4
49	1945.2	2015.4	2086.5	2158.2	2230.9	2304.4	2378.9	2454.3	2530.8	2608.4	4
50	1946.4	2016.6	2087.7	2159.4	2232.1	2305.7	2380.1	2455.6	2532.1	2609.7	1
	1947.5	2017.8	2088-9	2160.7	2233.8	2306.9	2381.4	2456.9	2533.4	2611.0	1 5
	1948.7	2019.0	2090.1	2161.9	2234.6	2308.1	2382.6	2458.1	2534.7	2612.3	1 5
	1949.9	2020.2	2091.3	2163·1 2164·3	2235·8 2237·0	2309·4 2310·6	2383·9 2385·1	2459·4 2460·7	2536·0 2537·2	2613.6	1 8
	1951·0 1952·2	2021·3 2022·5	2092·5 2093·7	2165.5	2237 0	2311.8	2386.4	2461.9	2538.5	2614·9 2616·2	1 5
	1953.4	2023.7	2094.9	2166.7	2239.4	2313.1	2387.6	2463.2	2539.8	2617.5	
		2024.9	2096.1	2167.9	2240.7	2314.3	2388.9	2464.5	2541.1	2618.8	1 8
		20220									
59	1954·5 1955·7	2026.0	2097:3	2169.1	2241 9	2315.5	2390.2	2465.8	2542.4	2620.1	5

Min.	Deg. <b>40</b>	Deg. <b>41</b>	Deg. <b>42</b>	Deg. 43	Deg. <b>44</b>	Deg. <b>45</b>	Deg. <b>46</b>	Deg. <b>47</b>	Deg. 48	Deg. 49	Min.
0	2622*7	2701 °6	2781·7	2863·1	2945*8	3030·0	3115·6	3202·8	3291 ·6	3382·1	0
1	2624*0	2702 °9	2783·1	2864·5	2947*2	3031·4	3117·0	3204·2	3293 ·1	3383·6	1
2	2625*3	2704 °3	2784·4	2865·8	2948*6	3032·8	3118·5	3205·7	3294 ·6	3385·2	2
3	2626*6	2705 °6	2785·8	2867·2	2950*0	3034·2	3119·9	3207·2	3296 ·1	3386·7	3
4	2627*9	2706 °9	2787·1	2868·6	2951*4	3035·6	3121·4	3208·6	3297 ·5	3388·2	4
5	2629*2	2708 °3	2788·5	2870·0	2952*8	3037·0	3122·8	3210·1	3299 ·0	3389·7	5
6 7 8 9	2630·5 2631·9 2633·2 2634·5 2635·8	2709·6 2710·9 2712·2 2713·6 2714·9	2789·8 2791·2 2792·5 2793·8 2795·1	2871·3 2872·7 2874·1 2875·4 2876·8	2954·2 2955·6 2957·0 2958·4 2959·8	3038·4 3039·8 3041·3 3042·7 3044·1	3124·2 3125·7 3127·1 3128·6 3130·0	3211·6 3213·0 3214·5 3216·0 3217·4	3300·5 3302·0 3303·5 3305·0 3306·5	3391·3 3392·8 3394·3 3395·9 3397·4	6 7 8 9 10
11	2637·1	2716·2	2796·5	2878·2	2961·1	3045·5	3131·5	3218·9	3308·0	3398·9	11
12	2638·4	2717·5	2797·9	2879·5	2962·5	3047·0	3132·9	3220·4	3309·5	3400·4	12
13	2639·7	2718·9	2799·3	2880·9	2963·9	3048·4	3134·3	3221·9	3311·0	3402·0	13
14	2641·0	2720·2	2800·6	2882·3	2965·3	3049·8	3135·8	3223·3	3312·5	3403·5	14
15	2642·3	2721·5	2802·0	2883·7	2966·7	3051·2	3137·2	3224·8	3314·0	3405·0	15
16	2643·6	2722°9	2803·3	2885.0	2968·1	3052·6	3138·7	3226·3	3315·5	3406.6	16
17	2644·9	2724°2	2804·7	2886.4	2969·5	3054·1	3140·1	3227·7	3317·0	3408.1	17
18	2646·3	2725°5	2806·0	2887.8	2970·9	3055·5	3141·6	3229·2	3318·5	3409.6	18
19	2647·6	2726°9	2807·4	2889.2	2972·3	3056·9	3143·0	3230·7	3320·0	3411.2	19
20	2648·9	2728°2	2808·8	2890.5	2973·7	3058·3	3144·5	3232·2	3321·5	3412.7	20
21	2650·2	2729·5	2810·1	2891.9	2975·1	3059·7	3145·9	3233·6	3323·1	3414·2	21
22	2651·5	2730·8	2811·4	2893.3	2976·5	3061·2	3147·4	3235·1	3324·6	3415·8	22
23	2652·8	2732·2	2812·8	2894.7	2977·9	3062·6	3148·8	3236·6	3326·1	3417·3	23
24	2654·1	2733·5	2814·1	2896.0	2979·3	3064·0	3150·3	3238·1	3327·6	3418·8	24
25	2655·5	2734·8	2815·5	2897.4	2980·7	3065·4	3151·7	3239·5	3329·1	3420·4	25
26	2656·8	2736·2	2816·8	2898 ·8	2982·1	3066.9	3153·2	3241·0	3330·6	3421·9	26
27	2658·1	2737·5	2818·2	2900 ·2	2983·5	3068.3	3154·6	3242·5	3332·1	3423·5	27
28	2659·4	2738·8	2819·5	2901 ·5	2984·9	3069.7	3156·1	3244·0	3333·6	3425·0	28
29	2660·7	2740·2	2820·9	2902 ·9	2986·3	3071.1	3157·5	3245·5	3335·1	3426·5	29
30	2662·0	2741·5	2822·3	2904 ·3	2987·7	3072.6	3159·0	3246·9	3336·6	3428·1	30
31	2663·3	2742·9	2823·6	2905·7	2989·1	3074·0	3160·4	3248·4	3338·1	3429·6	31
32	2664·6	2744·2	2825·0	2907·1	2990·5	3075·4	3161·9	3249·9	3339·6	3431·2	32
33	2666·0	2745·5	2826·3	2908·4	2991·9	3076·9	3163·3	3251·4	3341·1	3432·7	33
34	2667·3	2746·9	2827·7	2909·8	2993·3	3078·3	3164·8	3252·9	3342·7	3434·2	34
35	2668·6	2748·2	2829·0	2911·2	2994·7	3079·7	3166·2	3254·4	3344·2	3435·8	35
36	2669·9	2749·5	2830·4	2912·6	2996·1	3081·1	3167·7	3255·8	3345·7	3437·3	36
37	2671·2	2750·9	2831·8	2914·0	2997·5	3082·6	3169·1	3257·3	3347·2	3438·9	37
38	2672·5	2752·2	2833·1	2915·3	2998·9	3084·0	3170·6	3258·3	3348·7	3440·4	38
39	2673·8	2753·5	2834·5	2916·7	3000·3	3085·4	3172·1	3260·3	3350·2	3442·0	39
40	2675·1	2754·9	2835·8	2918·1	3001·8	3086·9	3173·5	3261·8	3351·7	3443·5	40
41	2676·5	2756·2	2837 ·2	2919·5	3003·2	3088·3	3175·0	3263·3	3353·2	3445·0	41
42	2677·8	2757·6	2838 ·6	2920·9	3004·6	3089·7	3176·4	3264·7	3354·8	3446·6	42
43	2679·1	2758·9	2839 ·9	2922·3	3006·0	3091·2	3177·9	3266·2	3356·3	3448·1	43
44	2680·5	2760·2	2841 ·3	2923·6	3007·4	3092·6	3179·3	3267·7	3357·8	3449·7	44
45	2681·8	2761·5	2842 ·6	2925·0	3008·8	3094·0	3180·8	3269·2	3359·3	3451·2	45
46	2683·1	2762·9	2844·0	2926·4	3010·2	3095·5	3182·3	3270·7	3360·8	3452·8	46
47	2684·4	2764·3	2845·4	2927·8	3011·6	3096·9	3183·7	3272·2	3362·3	3454·3	47
48	2685·7	2765·6	2846·7	2929·2	3013·0	3098·3	3185·2	3273·7	3363·9	3455·9	48
49	2687·1	2766·9	2848·1	2930·6	3014·4	3099·8	3186·6	3275·2	3365·4	3457·4	49
50	2688·4	2768·3	2849·5	2932·0	3015·8	3101·2	3188·1	3276·6	3366·9	3459·0	50
51	2689.7	2769.6	2850·8	2933·3	3017·2	3102.6	3189.6	3278·1	3368·4	3460·5	51
52	2691.0	2771.0	2852·2	2934·7	3018·7	3104.1	3191.0	3279·6	3369·9	3462·1	52
53	2692.3	2772.3	2853·6	2936·1	3020·1	3105.6	3192.5	3281·1	3371·5	3463·6	53
54	2693.7	2773.7	2854·9	2937·5	3021·5	3107.0	3194.0	3282·6	3373·0	3465·2	54
55	2695.0	2775.0	2856·3	2938·9	3022·9	3108.4	3195.4	3284·1	3374·5	3466·7	55
56	2696·3	2776·4	2857 ·7	2940·3	3024·3	3109·8	3196·9	3285·6	3376·0	3468·3	56
57	2697·6	2777·7	2859 ·1	2941·7	3025·7	3111·2	3198·4	3287·1	3377·6	3469·8	57
58	2699·0	2779·0	2860 ·5	2943·1	3027·1	3112·7	3199·8	3288·6	3379·1	3471·4	58
59	2700·3	2780·4	2861 ·8	2944·4	3028·5	3114·1	3201·3	3290·1	8380·6	3473·0	59

### MERIDIONAL PARTS.

	Deg.	Deg.	Deg.	Deg.							
Min.	50	51	52	53	54	55	56	57	58	59	Min
0	3474.5	3568.8	3665.2	3763.8	3864.7	3968.0	4073.9	4182.6	4294.3	4409.2	0
1	3476.1	3570.4	3666.9	3765.5	3866.4	3969.7	4075.7	4184.5	4296.2	4411.1	1
2	3477.6	3572.0	3668.5	3767.1	3868.1	3971.5	4077.5	4186.3	4298.1	4413.1	2
3	3479.2	3573.6	3670.1	3768 8	3869.8	3973.2	4079.3	4188-2	4300.0	4415.0	3
5	3480·7 3482·3	3575·2 3576·8	3671·7 3673·4	3770·4 3772·1	3871·5 3873·2	3975·0 3976·7	4081.1	4190·0 4191·8	4301 ·9 4303 ·8	4417·0 4418·9	1
6	3483.9	3578.4	3675.0	3773.8	3874.9	3978.4	4084.7	4193.7	4305.7	4420.8	1
7	3485.4	3580.0	3676.6	3775.4	3876.6	3980.2	4086.5	4195.5	4307.6	4422.8	1 7
8	3487.0	3581.6	3678-2	3777.1	3878.3	3982.0	4088.3	4197.4	4309.5	4424.7	1 8
9	3488.5	3583.2	3679.9	3778-8	3880.0	3983.7	4090.1	4199.2	4311.4	4426.7	1 3
10	3490.1	3584.8	3681.5	3780.4	3881.7	3985.5	4091.9	4201.1	4313.2	4428.6	10
11	3491.7	3586.4	3683.1	3782.1	3883.4	3987.2	4093.7	4202-9	4315.1	4430.6	1
12	3493.2	3588.0	3684.8	3783.8	3885.1	3989.0	4095.5	4204.7	4317.0	4432.5	1:
13	3494.8	3589.5	3686.4	3785.5	3886.8	3990.7	4097.3	4206.6	4318.9	4434.5	1
14	3496.3	3591.1	3688.0	3787.1	3888*6	3992.5	4099.1	4208-4	4320.8	4436.4	1
15	3497.9	3592.7	3689.7	3788.8	3890.3	3994.2	4100.9	4210.3	4322.7	4438.4	1
16	3499.5	3594.3	3691.3	3790.5	3892.0	3996.0	4102.7	4212.1	4324.6	4440.4	16
17	3501.0	3595.9	3692.9	3792.1	3893.7	3997.7	4104.5	4214·0 4215·8	4326·5 4328·4	4442.3	1
18	3502.6	3597.5	3694.6	3793.8	3895.4	3999.5	4106·3 4108·1	4217.7	4330.3	4444.3	13
19 20	3504·2 3505·7	3599·1 3600·7	3696·2 3697·8	3795·5 3797·2	3897·1 3898·8	4001.3	4109.9	4219.5	4332.2	4448.2	2
21	3507.3	3602.3	3699.5	3798.8	3900.5	4004.8	4111.7	4221.4	4334.2	4450 2	2
22	3508.9	3603-9	3701.1	3800.5	3902.3	4006.5	4113.5	4223·2 4225·1	4336°1 4338°0	4452·1 4454·1	2:
23	3510.5	3605.5	3702·7 3704·4	3802·2 3803·9	3904·0 3905·7	4008·3 4010·0	4115·3 4117·1	4227.0	4339 9	4456.0	2
24 25	3512·0 3513·6	3607·1 3608·7	3706.0	3805.2	3907.4	4011.8	4118-9	4228.8	4341.8	4458.0	2
26	3515.1	3610.3	3707.7	3807.2	3909.1	4013.6	4120.7	4230.7	4343.7	4460.0	2
27	3516.7	3611.9	3709.3	3808.9	3910.9	4015.3	4122.5	4232.5	4345.6	4461.9	2
28	3518.3	3613.6	3710.9	3810.6	3912.6	4017.1	4124.3	4234.4	4347.5	4463 9	2
29	3519.8	3615.2	3712.6	3812.3	3914.3	4018.9	4126.1	4236.2	4349.4	4465.9	2
30	3521.4	3616.8	3714.2	3813.9	3916.0	4020-6	4127.9	4238.1	4351.3	4467.8	3
31	3523.0	3618.4	3715.9	3815.6	3917.7	4022.4	4129.7	4240.0	4353.3	4469.8	3
32	3524.6	3620.0	3717.5	3817.3	3919.5	4024.2	4131.6	4241.8	4355.2	4471.8	3
33	3526.1	3621.6	3719.2	3819.0	3921.2	4025.9	4133.4	4243.7	4357.1	4473.8	3
34	3527·7 3529·3	3623·2 3624·8	3720·8 3722·4	3820·7 3822·3	3922·9 3924·6	4027.7	4135·2 4137·0	4245·6 4247·4	4359·0 4360·9	4475·7 4477·7	3
								4249.3	4362.8	4479.7	
36	3530.9	3626.4	3724·1 3725·7	3824·0 3825·7	3926·4 3928·1	4031·2 4033·0	4138·8 4140·6	4249'3	4364.8	4481.7	3
37 38	3532·4 3534·0	3628°0 3629°6	3727.4	3827.4	3929.8	4034.8	4142.5	4253.0	4366.7	4483.6	3
39	3535.6	3631.3	3729.0	3829.1	3931.5	4036.6	4144.3	4254.9	4368.6	4485.6	3
40	3537.2	3632.9	3730.7	3830.8	3933.3	4038.3	4146.1	4256.8	4370.5	4487.6	4
41	3538.8	3634.5	3732.3	3832.5	3935.0	4040.1	4147.9	4258.6	4372.5	4489.6	4
42	3540.3	3636.1	3734.0	3834.2	3936.7	4041.9	4149.7	4260.5	4374.4	4491.6	4
43	3541.9	3637.7	3735.6	3835.8	3938.5	4043.6	4151.6	4262.4	4376.3	4493.5	4:
44	3543.5	3639.3	3737.3	3837.5	3940.2	4045.4	4153.4	4264.3	4378.2	4495.5	4
45	3545.1	3640.9	3738.9	3839-2	3941.9	4047.2	4155.2	4266.1	4380.2	4497.5	4
46	3546.7	3642.5	3740.6	3840.9	3943.7	4049.0	4157.0	4268.0	4382.1	4499.5	4
47	3548.2	3644.2	3742.2	3842.6	3945.4	4050.8	4158.8	4269.9	4384.0	4501.5	4
48	3549.8	3645.8	3743.9	3844.3	3947.1	4052.5	4160.7	4271.8	4385 9	4503.5	4
49	3551.4	3647.4	3745.6	3846.0	3948.9	4054.3	4162.5	4273.6	4387 9	4505.5	4
50	3553.0	3649.0	3747.2	3847.7	3950 6	4056.1	4164.3	4275.5	4389.8	4507.5	5
51	3554.6	3650°6 3652°3	3748·9 3750·5	3849·4 3851·1	3952·3 3954·1	4057.9	4166 · 2 4168 · 0	4277·4 4279·3	4391·7 4393·7	4509·4 4511·4	5
52	3556.1	3652°3 3653°9	3750·5 3752·3	3852.8	3955.8	4061.4	4169.8	4281.1	4395.6	4513.4	5
53	3557·7 3559·3	3655.5	3752·3 3753·8	3854.5	3957.6	4063.2	4171.7	4283.0	4397.5	4515.4	5
54 55	3560.9	3657.1	3755.5	3856.5	3959.3	4065.0	4173.5	4284.9	4399.5	4517.4	5
56	3562.5	3658.7	3757-2	3857-9	3961.0	4066.8	4175.3	4286.6	4401.4	4519.4	5
57	3564.1	3660.4	3758.8	3859.6	3962.8	4068-6	4177.2	4288.7	4403.4	4521.4	5
	3565.7	3662.0	3760.5	3861.3	3964.5	4070.4	4179.0	4290·6	4405.3	4523.4	5
58											

	1	-				-					
Min.	Deg. 60	Deg. <b>61</b>	Deg. <b>62</b>	Deg. 63	Deg. <b>64</b>	Deg. <b>65</b>	Deg. 66	Deg. 67	Deg. 68	Deg. <b>69</b>	Min.
										03	MIII
0	4527·4 4529·4	4649.2	4775.0	4905.0	5039.4	5178.8	5323.6	5474.0	5630.9	5794.6	0
1 2	4531.4	4651·3 4653·4	4777·1 4779·3	4907·2 4909·4	5041·7 5044·0	5181·2 5183·6	5326·0 5328·5	5476·6 5479·2	5633·5 5636·2	5797·4 5800·2	1
3	4533.4	4655.5	4781.4	4911.6	5046.3	5186.0	5330.9	5481.7	5638.9	5803.0	2 3
4	4535 4	4657.5	4783.5	4913.8	5048.6	5188.3	5333.4	5484.3	5641.5	5805.8	4
5	4537.4	4659.6	4785.7	4916.0	5050.8	5190.7	5335*9	5486.9	5644.2	5808.6	5
6	4539·4 4541·4	4661·7 4663·7	4787·8 4790·0	4918·2 4920·4	5053·2 5055·5	5193·1 5195·4	5338·3 5340·8	5489·4 5492·0	5646·9 5649·6	5811·4 5814·2	6 7
8	4543.4	4665.3	4792.1	4922.6	5057 7	5197.8	5343.3	5494.6	5652.3	5817.0	7
9	4545.4	4667.9	4794.2	4924.8	5060.0	5200.2	5345.7	5497.1	5655.0	5819.8	8 9
10	4547.5	4669.9	4796.4	4927.1	5062.3	5202.6	5348 2	5499.7	5657.6	5822.6	10
11	4549·5 4551·5	4672·0 4674·1	4798·5 4800·7	4929.3	5064°6 5066°9	5205·0 5207·3	5350·7 5353·2	5502·3 5504·9	5663·0	5825·4 5828·2	11
12 13	4553.5	4676.2	4802.8	4933.7	5069.2	5209.7	5355.6	5507.4	5665.7	5831.0	12 13
14	4555.5	4678.2	4804.9	4935.9	5071.5	5212.1	5358.1	5510.0	5668.4	5833.9	14
15	4557.5	4680.3	4807.1	4938.1	5073.8	5214.5	5360.6	5512.6	5671.1	5836.7	15
16	4559·5 4561·5	4682·4 4684·5	4809·2 4811·4	4940·4 4942·6	5076·1 5078·4	5216·9 5219·3	5363·1 5365·6	5515·2 5517·8	5673·8 5676·5	5839·5 5842·3	16
17 18	4563.6	4686.6	4813.5	4944.8	5080.7	5221.7	5368.1	5520.4	5679.2	5845°2	17
19	4565.6	4688.6	4815.7	4947.0	5083.0	5224.1	5370.5	5523.0	5681.9	5848.0	19
20	4567.6	4690.7	4817.8	4949.3	5085.3	5226.5	5373.0	5525.6	5684.6	5850.8	20
21	4569.6 4571.6	4692·8 4694·9	4820·0 4822·2	4951·5 4953·7	5087·7 5090·0	5228·9 5231·3	5375·5 5378·0	5528·2 5530·8	5687·3 5690·0	5853·7 5856·5	21
22 23	4573.7	4697.0	4824.3	4956.0	5092.3	5233.7	5380.5	5533.4	5692.8	5859.3	22 23
24	4575.7	4699.1	4826.5	4958.2	5094.6	5236.1	5383.0	5536.0	5695.5	5862.2	24
25	4577.7	4701.2	4828.6	4960.4	5096.9	5238.5	5385.5	5538.6	5698.2	5865.0	25
26	4579 7	4703·2 4705·3	4830·8 4832·9	4962·7 4964·9	5099·2 5101·5	5240·9 5243·3	5388·0 5390·5	5541.2	5700.9	5867.9	26
27 28	4581·8 4583·8	4707.4	4835.1	4967.1	5101.3	5245.7	5393.0	5543·8 5546·4	5703·6 5706·3	5870 · 7 5873 · 5	27
29	4585.8	4709.5	4837.3	4969.4	5106.2	5248.1	5395.5	5549.0	5709.1	5876.4	28 29
30	4587.8	4711.6	4839.4	4971.6	5108.5	5250.5	5398.0	5551.6	5711.8	5879.3	30
31	4589.9	4713.7	4841.6	4973.9	5110.8	5252-9	5400.5	5554.2	5714.5	5882.1	31
32 33	4591 ·9 4593 ·9	4715·8 4717·9	4843·8 4845·9	4976·1 4978·3	5113·1 5115·5	5255·3 5257·7	5403°0 5405°6	5556·8 5559·5	5717·3 5720·0	5885 • 0 5887 • 8	32 33
34	4596.0	4720-0	4848.1	4980.6	5117.8	5260.1	5408.1	5562.1	5722.7	5890.7	34
35	4598.0	4722-1	4850.3	4982.8	5120.1	5262.6	5410.6	5564.7	5725.5	5893.6	35
36	4600·1 4602·1	4724·2 4726·3	4852·5 4854·6	4985·1 4987·3	5122·5 5124·8	5265·0 5267·4	5413·1 5415·6	5567.3	5728-2	5896.4	36
37 38	4604.1	4728.4	4856.8	4989.6	5124.9	5269.8	5418.1	5569·9 5572·6	5731·0 5733·7	5899·3 5902·2	37
39	4606.2	4730.5	4859.0	4991.8	5129.5	5272.3	5420.7	5575.2	5736.4	5905.1	38 39
40	4608.2	4732.6	4861.2	4994.1	5131.8	5274.7	5423.2	5577.8	5739.2	5907.9	40
41	4610·3 4612·3	4734·7 4736·9	4863·3 4865·5	4996·3 4998·6	5134.1	5277.1	5425 -7	5580.5	5741.9	5910.8	41
42 43	4614.3	4739.0	4867.7	5000.9	5136·5 5138·8	5279·5 5282·0	5428·2 5430·8	5583 <b>·1</b> 5585 <b>·</b> 7	5744·7 5747·5	5913·7 5916·6	42
44	4616.4	4741.1	4869-9	5003.1	5141.2	5284.4	5433.3	5588.4	5750.2	5919.5	43 44
45	4618.4	4743.2	4872.1	5005.4	5143.5	5286.8	5435.8	5591.0	5753.0	5922.4	45
46	4620.5	4745.3	4874.3	5007.6	5145.9	5289.3	5433.4	5593.7	5755.7	5925.2	46
47 48	4622·5 4624·6	4747·4 4749·5	4876·4 4878·6	5009 <b>·9</b> 5012 <b>·</b> 2	5148·2 5150·6	5291·7 5294·2	5440.9 5443.5	5596·3 5599·0	5758·5 5761·3	5928·1 5931·0	47
49	4626.6	4751.7	4880.8	5014.4	5152.9	5296.6	5446.0	5601.6	5764.0	5933.9	48 49
50	4628.7	4753.8	4883.0	5016.7	5155.3	5299.0	5448.5	5604.3	5766.8	5936.8	50
51	4630·7 4632·8	4755·9 4758·0	4885·2 4887·4	5019·0 5021·2	5157.6	5301.5	5451.1	5606-9	5769.6	5939.7	51
52 53	4634.8	4760.1	4889.6	5023.5	5160·0 5162·3	5303·9 5306·3	5453·6 5456·2	5609·6 5612·2	5772·3 5775·1	5942.6 5945.5	52
54	4636.9	4762.3	4891.8	5025.8	5164.7	5308.8	5458.7	5614.9	5777.9	5945.5	53 54
55	4639.0	4764.4	4894.0	5028.1	5167.0	5311.3	5461.3	5617.5	5780.7	5951.4	55
56	4641·0 4643·1	4766.5	4896-2	5030.3	5169.4	5313.7	5463.8	5620.2	5783.5	5954.3	56
57 58	4645.1	4768·6 4770·8	4898·4 4900·6	5032.6 5034.9	5171·8 5174·1	5316·2 5318·6	5466·4 5468·9	5622·9 5625·5	5786·2 5789·0	5957.2	57
59	4647.2	4772-9	4902.8	5037.2	5176.5	5321.1	5471.5	5628.2	5791.8	5960·1 5963·0	58 59
									.,	1	08

	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	
Min.	70	71	72	73	74	75	76	77	78	79	Mi
0	5966.0	6145.7	6334.9	6534.5	6745.7	6970.3	7210.1	7467.2	7744.6	8045.7	
1	5968.9	6148.8	6338.1	6537.9	6749.4	6974.2	7214.2	7471.7	7749.4	8051.0	
2	5971.8	6151.9	6341.4	6541.3	6753.0	6978.1	7218.3	7476.1	7754.2	8056.2	
3	5974.7	6155.0	6344.6	6544.7	6756.6	6981.9	7222.5	7480.6	7759.0	8061.5	
4	5977.7	6158.0	6347.8	6548.2	6760.3	6985.8	7226.6	7485.0	7763.9	8066.8	
5	5980.6	6161.1	6351.1	6551.6	6763.9	6989.7	7230.8	7489.5	7768.7	8072.0	
6	5983.5	6164.2	6354.3	6555.0	6767.6	6993.6	7234.9	7494.0	7773.5	8077:3	
7	5986.5	6167.3	6357.6	6558.5	6771.2	6997.5	7239.1	7498.5	7778.4	8082.6	
8 9	5989·4 5992·4	6170-4	6360 9	6561°9 6565°4	6774.9	7001·4 7005·3	7243·3 7247·5	7502·9 7507·4	7783·2 7788·1	8087 <b>*</b> 9 8093 <b>*</b> 2	
10	5995.3	6173·5 6176·6	6364·1 6367·4	6568*8	6778·5 6782·2	7009.2	7251.6	7511.9	7793.0	8098.5	1
11	5998.3	6179.7	6370.6	6572.3	6785.8	7013.1	7255.8	7516.4	7797.8	8103.8	1
12	6001.2	6182.8	6373.9	6575.7	6789.5	7017.0	7260.0	7520.9	7802.7	8109.2	1
13	6004.2	6185.9	6377.2	6579.2	6793.2	7020.9	7264.2	7525.4	7807.6	8114.5	1
14	6007.1	6189.0	6380.5	6582.6	6796-9	7024.8	7268.4	7530.0	7812.5	8119.8	1
15	6010.1	6192.1	6383.7	6586.1	6800.5	7028.7	7272.6	7534.5	7817.4	8125.2	1
16	6013.0	6195.2	6387.0	6589.5	6804.2	7032.7	7276.8	7539.0	7822.3	8130.6	1 1
17	6016.0	6198·3 6201·4	6390·3	6593·0 6596·5	6807·9 6811·6	7036·6 7040·5	7281.0 7285.2	7543·6 7548·1	7827·2 7832·2	8135·9 8141·3	1
18	6021.9	6201.4	6396.9	6600.0	6815.3	7040.5	7289.4	7548·1 7552·7	7832·2 7837·1	8141.3	1
19 20	6021.9	6207.7	6400.2	6603.4	6819.0	7044 5	7293.7	7557.2	7842.0	8152.1	2
21	6027.9	6210.8	6403.5	6606.9	6822.7	7052-4	7297.9	7561.8	7847.0	8157.5	2
22	6030.8	6213.9	6406.8	6610.4	6826.4	7056.3	7302.1	7566.3	7851.9	8162.9	2
23	6033.8	6217.1	6410.1	6613.9	6830.1	7060.3	7306.4	7570-9	7856.9	8168.3	2
24	6036.8	6220.2	6413.4	6617.4	6833.8	7064.2	7310.6	7575.5	7861.9	8173.7	2
25	6039.8	6223.3	6416.7	6620-9	6837.6	7068.2	7314.9	7580.1	7866.8	8179-2	2
26	6042.7	6226.5	6420.0	6624.4	6841.3	7072.2	7319.1	7584.7	7871.8	8184.6	2
27	6045.7	6229.6	6423.3	6627.9	6845.0	7076-2	7323.4	7589.3	7876.8	8190.1	2 2
28	6048·7 6051·7	6232·7 6235·9	6426*6 6429*9	6631·4 6635·0	6848.7 6852.5	7080·1 7084·1	7327·7 7332·0	7593 <b>·</b> 9 7598 <b>·</b> 5	7881·8 7886·8	8195·5 8201·0	2
29 30	6054.7	6239.0	6433.2	6638.5	6856.2	7088.1	7336.2	7603.1	7891.8	8206.5	3
31	6057.7	6242-2	6436.6	6642.0	6860.0	7092-1	7340.4	7607.7	7896.8	8212.0	3
32	6060 - 7	6245.3	6439.9	6645.5	6863.7	7096.1	7344.8	7612.3	7901.9	8217.5	3
33	6063.7	6248.5	6443.2	6649.1	6867.5	7100.1	7349.1	7617.0	7906.9	8223.0	3
34	6066.7	6251.7	6446.6	6652.6	6871.2	7104.1	7353.4	7621.6	7911.9	8228.5	3
35	6069*7	6254.8	6449.9	6656.1	6875.0	7108-2	7357.7	7626.3	7917.0	8234.1	3
36	6072.7	6258.0	6453 3	6659.7	6878.7	7112.2	7362.0	7630.9	7922.1	8239.6	3
37	6075.7	6261.2	6456°6 6460°0	6663°2 6666°8	6882·5 6886·3	7116·2 7120·2	7366.4	7635.6	7927.1	8245.1	3
38	6078*8	6264 <b>·4</b> 6267 <b>·</b> 5	6463.3	6670.3	6890.1	7124.3	7370·7 7375·0	7640·2 7644·9	7932·2 7937·3	8250·7 8256·3	3
39 40	6084.8	6270.7	6466.7	6673.9	6893.8	7128.3	7379.4	7649.6	7942.4	8261.8	4
41	6087.8	6273.9	6470.0	6677.4	6897.6	7132.3	7383.7	7654.3	7947.5	8267.4	4
42	6090.8	6277.1	6473.4	6681.0	6901.4	7136.4	7388.0	7659.0	7952.6	8273.0	4
43	6093.9	6280.3	6476.8	6684.6	6905.2	7140.4	7392.4	7663.7	7957.7	8278.6	4
44	6096.9	6283.5	6480.1	6688.1	6909.0	7144.5	7396.8	7668.4	7962.8	8284.2	4
45	6099.9	6286.6	6483.5	6691.7	6912.8	7148.6	7401.1	7673.1	7968.0	8289 9	4
46	6103.0	6289.8	6486.9	6695.3	6916.6	7152.6	7405.5	7677.8	7973.1	8295.5	4
47	6106.0	6293·0 6296·2	6490·3	6698.9	6920·4 6924·2	7156·7 7160·8	7409·9 7414·2	7682.6	7978·2 7983·4	8301·1 8306·8	4
48 49	6112.1	6299.4	6497.0	6702·4 6706·0	6924.2	7164.9	7414.2	7687·3 7692·0	7983.4	8312.4	4
50 50	6115.1	6302.7	6500.4	6709.6	6931.9	7169.0	7423.0	7696.8	7993.7	8312.4	5
51	6118-2	6305-9	6503.8	6713-2	6935-7	7173.0	7427.4	7701.5	7998-9	8323.8	5
52	6121.2	6309.1	6507.2	6716.8	6939.5	7177.1	7431.8	7706.3	8004.0	8329.4	5
53	6124.3	6312.3	6510.6	6720.4	6943.4	7181.2	7436.2	7711.0	8009.2	8335 1	5
54	6127.4	6315.5	6514.0	6724.0	6947.2	7185.3	7440.6	7715.8	8014.4	8340.8	5
55	6130.4	6318.7	6517.4	6727.6	6951.1	7189.5	7445.0	7720.6	8019.6	8346.6	5
56	6133.5	6322.0	6520.8	6731.2	6954.9	7193.6	7449.5	7725.4	8024.8	8352.3	5
57	6136.5	6325.2	6524.2	6734.9	6958.8	7197.7	7453.9	7730 • 2	8030.0	8358.0	5
58 59	6139·6 6142·7	6328·4 6331·7	6527.6 6531.0	6738·5 6742·1	6962.6 6966.5	7201·8 7205·9	7458·3 7462·8	7735.0	8035.3	8363.7	5
00	0144	0001	A TOOR	01441	00000	12000	14040	7739.8	8040.5	8369.5	1 0

Min.	D.g. 80	Deg. 81	Deg. 82	Deg. 83	Deg. 84	Deg. 85	Deg. 86	Deg.	Deg. 88	Deg. 89	Mi
-											
0	8375.3	8739.1	9145.5	9605.9	10137.0	10764.7	11532.6	12522	13917	16300	
1	8381.0	8745.5	9152.7	9614.1	10146.6	10776-2	11547.0	12541	13945	16357	
2	8386.8	8751.9	9159.9	9622.4	10156.2	10787.7	11561.4	12561	13974	16416	
3	8392.6	8758.3	9167.2	9630.6	10165.8	10799.3	11575.9	12580	14004	16476	1
5	8398·3 8404·1	8764·8 8771·2	9174·4 9181·6	9638·9 9647·2	10175·4 10185·1	10810·8 10822·6	11590·5 11605·0	12599 12619	14033 14063	16537 16599	
6	8409-9	8777.7	9188.9	9655.5	10194.8	10834.2	11619.7	12639	14093	16662	
7	8415.8	8784.1	9196.2	9663.8	10204.6	10345.9	11634.5	12659	14123	16726	1 :
8	8421.6	8790.6	9203.5	9672.2	10214.4	10857.7	11649 3	12679	14154	16792	1 :
9	8427.4	8797.1	9210.8	9680.6	10224.2	10869.6	11664.1	12699	14185	16858	1
10	8433.3	8803.6	9218.1	9689.0	10234.0	10881.4	11679.1	12719	14216	16926	1
11	8439.1	8810.1	9225.4	9697.4	10243.8	10893.3	11694.0	12739	14247	16996	1
12	8445.0	8816.6	9232.7	9705.8	10253.7	10905.2	11709.1	12759	14279	17067	1
13	8450.9	8823 2	9240.2	9714.2	10263.6	10917.2	11724.2	12780	14311	17140	1
14	8456.8	8829.7	9247.6	9722.7	10273.5	10929.1	11739.4	12801	14343	17213	1
15	8462.6	8836.3	9255.0	9731.2	10283.5	10941.2	11754.7	12821	14376	17288	1
16	8468.6	8842.8	9262-4	9739.7	10293.5	10953:3	11770.0	12842	14409	17366	1
17	8474.5	8849.4	9269-9	9748·3 9756·8	10303.5	10965.5	11785.4	12863	14442	17444	1
18	8480.4	8856.0	9277.3		10313·6 10323·7	10977 7	11800.9	12885	14475	17526	1
19 20	8486·3 8492·3	8862·6 8869·3	9284·8 9292·3	9765·4 9774·0	10333.8	10989·9 11002·2	11816·4 11832·0	12900 12927	14509 14543	17609 17695	2
21	8498-2	8875-9	9299.8	9782.7	10344.0	11014.5	11847.6	12949	14578	17780	2
22	8504.2	8882.6	9307.3	9791-8	10354.1	11026.9	11863.4	12971	14613	17870	2
23	8510.2	8889.2	9314.8	9800.0	10364.3	11039.3	11879.2	12992	14648	17962	2
24	8516.2	8895.9	9322.4	9808.6	10374.5	11051.7	11895.1	13014	14684	18056	2
25	8522-2	8902.6	9330.0	9817:3	10384.8	11064.2	11911.0	13037	14720	18153	2
26	8528-2	8909.3	9337.6	9826.1	10395.0	11076.8	11927.1	13059	14756	18252	2
27	8534.2	8916.0	9345.2	9834.8	10405.3	11089.3	11943.1	13081	14793	18355	2
28	8540.2	8922.7	9352.8	9843.6	10415.7	11102.0	11959.3	13104	14830	18461	2
29	8546.2	8929.5	9360.4	9852.4	10426.2	11114.6	11975.6	13126	14868	18570	2
30	8552.3	8936.2	9368.1	9861.3	10436.6	11127.4	11991.9	13149	14906	18682	3
31	8558.4	8943.0	9375.8	9870.1	10447.1	11140-1	12008.4	13172	14944	18799	3:
32	8564.4	8949.8	9383.2	9879.0	10457.5	11152.9	12024.9	13195	14983	18920	3
33	8570.5	8956.6	9391.2	9887.8	10468.0	11165.8	12041.5	13219	15022	19045	3
34	8576.6	8963.4	9398.9	9896.7	10478.5	11178.7	12058.2	13242	15062	19174	3
5	8582.7	8970 • 2	9406.6	9905.7	10489.1	11191.7	12074.9	13266	15102	19309	3.
36	8588 9	8977.1	9414.4	9914.6	10499.7	11204.7	12091.7	13290	15143	19449	3
37	8595.0	8983-9	9422.1	9923.6	10510.4	11217.7	12108.6	13314	15184	19596	3
38	8601.1	8990.8	9429 9	9932.7	10521.1	11230.8	12125.6	13338	15226	19749	3
10	8607·3 8613·5	8997·7 9004·6	9437·8 9445·6	9941·7 9950·8	10531·8 10542·6	11244·0 11257·2	12142·7 12159·9	13362 13387	15268 15311	19908 20076	34
	8619.6	9011.5	9453.4	9959.8	10553.3	11270.5	12177.1	13411			4
1	8625.8	9011.9	9461.3	9968-9	10564.1	11283.8	12177.1	13436	15354 15398	20252 20438	4:
2	8632.0	9025.4	9469.1	9978-0	10574.9	11297.1	12194 4	13461	15442	20438	4:
4	8638.2	9032.3	9477.0	9978·0 9987·2	10585.8	11310.5	12229.3	13486	15487	20843	4
5	8644.5	9039.3	9484-9	9996.3	10596.7	11324.0	12246.9	13512	15533	21065	4
6	8650.7	9046.3	9492.9	10005-5	10607.6	11337.6	12264.6	13537	15579	21302	40
7	8656.9	9053.3	9500.8	10014.8	10618.6	11351.1	12282.4	13563	15625	21557	4
8	8663.2	9060.3	9508.8	10024.0	10629.7	11364.8	12300.2	13589	15673	21832	48
9	8669.5	9067.3	9516.8	10033.3	10640.8	11378.4	12318.1	13615	15721	22132	49
0	8675.7	9074.4	9524.8	10042.6	10651.9	11392.2	12336.3	13641	15770	22459	50
1	8682.0	9081.4	9532.9	10051.9	10663.0	11406.0	12354.4	13668	15819	22821	51
2	8688.3	9088.5	9540.9	10061.3	10674.1	11419.8	12372.7	13694	15869	23226	55
3	8694.6	9095.6	9548.9	10070.6	10685.3	11433.7	12391 0	13721	15920	23685	53
4	8701.0	9102.7	9557.0	10080.0	10696.5	11447.7	12409.5	13749	15972	24215	54
5	8707.3	9109.8	9565.1	10089.4	10707.7	11461.7	12428.0	13776	16025	24842	58
8	8713.6	9116-9	9573.2	10098.9	10719.1	11475.8	12446.5	13804	16078	25609	56
7	8720.0	9124.0	9581.4	10108.4	10730.4	11489.9	12465.3	13831	16132	26598	57
8	8726.4	9131.2	9589.5	10117.9	10741.8	11504.1	12484.2	13860	16187	27992	58
	8732.7	9138.4	9597.7	10127.4	10753.3	11518.3	12503.1	13888	16243	30375	58

### APPARENT DEPRESSION OF THE HORIZON.

H DENOTES THE HEIGHT OF THE EYE IN FEET; D THE DIP IN MINUTES AND SECONDS.

#### D. H. D. H. D. H. 1 11 1 11 3 52 5 43 6 7 6 29 6 51 7 11 7 30 7 48 8 6 8 23 8 39 8 55 9 11 9 26 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 0 59 16 35 3 59 4 6 40 45 1 22 17 1 40 18 1 56 19 4 13 50 55 2 10 2 21 2 33 2 43 2 54 3 3 12 3 21 3 29 3 37 3 45 20 4 20 4 26 4 32 4 39 4 45 4 51 4 56 5 2 21 22 23 24 60 65 70 75 80 25 26 27 28 85 90

5

29

30

5 13 5 18

### DIP OF THE SEA AT DIFFERENT DISTANCES.

	Dist.	HEI	GHT	OF TH	IE EY		OVE :	THE 8	EA,
1	Land	5	10	15	20	25	30	35	40
-	Naut. Miles.	dip	dip	dip	dip	dip	dip	dip	dip
1		m.	m.	m.	m.	m.	m.	m.	m.
1	1	11	22	34	45	56	68	79	90
I	1	6	11	17	22	28	34	39	45
ı	4	4	8	12	15	19	23	27	30
ł	1	4	6	9	12	15	17	20	23
١	11	3	5	7	9	12	14	16	19
ı	11/2	3	3	6	8	10	12	14	15
1	2	2	3	5	6	8	10	11	12
ı	21	2 2	3	5	6	7	8	9	10
1	3	2	3	4	5	6	7	8	8
ı	31	2	3	4	5	6	6	7	7 7
ı	5	2	3	4	4	5	6	6	6
ı	6	2 2 2	3	4	4	5	5	6	8

### CONTRACTION OF SEMI-DIAMETERS OF SUN AND MOON.

95

9 41

10 9

100

110

### REDUCTION OF MOON'S EQUATORIAL HORIZONTAL

Inclin.		APPAR	ENT A	LTITUDI	e of st	JN AND	MOON.		-		LLAX.	
semid. to Horizon.	5°	8°	10°	12°	14°	20°	32°	50°	Lat.	54'	57'	60′
•	"	"	"	"	"	"	"	"		"	"	"
12 15 18 21 24 27 30 33 36 39 42 45 48 51 57 60 63 66 69 72 72 75 78 81 84 90	1 2 2 4 4 5 6 7 9 10 11 12 14 15 16 17 19 20 20 21 22 23 24 24 24 25	1 1 1 2 2 3 3 4 4 5 5 6 6 7 8 8 9 10 10 11 11 11 11 11 11 11 11 11 11 11	0 11 11 12 22 23 34 44 45 56 66 66 77 77 78 88 88	00111112223333444455555566	0001111112222233334444444444444444444444	0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 2 2 2 2	0 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68 72 76 80 84 90	0·2 0·6 1·3 1·3 1·3 1·3 2·4 3·7 4·5·2 6·7 7·4 8·1 9·3 10·5 10·7 10·8	0·2 0·5 1·3 1·9 2·5 3·2 4·7 5·6·3 7·1 7·8 8·6·3 9·2 9·8 10·7 11·1 11·3 11·4	0·2 0·5 1·4 2·6 3·4 4·1 5·8 6·6 7·5 8·2 9·7 10·3 11·3 11·9 12·0

### MEAN REFRACTION

### OF CELESTIAL OBJECTS FOR TEMPERATURE 50°,

### AND PRESSURE 29.6 INCHES.

									-		
Alt.	Refr.	Alt.	Refr.	Alt.	Refr.	Alt.	Refr.	Alt.	Refr.	Alt.	Refr.
0 0 5 10 15 20 25 30 85 10 0 15 15 20 25 30 35 35	33 0 32 10 31 22 30 36 29 50 29 50 28 23 27 41 27 00 26 20 25 42 25 05 24 29 23 54 23 20 22 47 22 15 21 44 21 15	4 30 35 40 45 50 55 5 5 10 15 20 25 30 40 45 5 5 6 0 0 5 5 5 6 6 6 6 6 6 6 6 6 6 6	, " 10 48 10 39 10 29 10 10 11 10 02 9 54 9 46 9 38 9 30 9 23 9 08 9 01 8 54 8 47 8 41 8 34 8 28 8 21	9 0 5 10 10 20 30 40 11 0 10 10 10 10 10 10 10 10 10 10 10	5 48 5 45 5 42 5 36 5 36 5 34 5 28 5 25 5 20 5 18 5 10 5 05 5 46 4 51 4 47 4 43	0 / 17 0 10 200 300 400 500 18 0 10 200 300 440 200 300 440 200 300 400 200 300 400 500 200 000 100 100 100 100 100 100 100 1	3 04 3 03 3 01 2 59 2 57 2 55 2 54 2 52 2 51 2 49 2 44 2 43 2 41 2 43 2 41 2 43 2 33 2 37 2 35 2 34	26 0 10 20 30 40 50 27 0 15 30 45 28 0 15 30 45 29 0 20 40 30 40 40 40 40 40 40 40 40 40 40 40 40 40	1 56 1 55 1 55 1 55 1 54 1 53 1 52 1 51 1 49 1 48 1 47 1 46 1 45 1 44 1 42 1 41 1 40 1 38 1 37 1 36	45 30 46 0 30 47 0 30 48 0 30 49 0 30 50 0 30 51 0 30 52 0 53 0 53 0 54 0 55 0	0 56 0 55 0 54 0 53 0 52 0 51 0 50 0 49 0 48 0 47 0 46 0 45 0 44 0 44 0 44 0 43 0 41 0 40 0 38
40 45 50 55 2 0 55 10 15 20 25 30 35 40 45 55 55 55 65 65 65 65 65 65 6	20 18 19 51 19 25 19 00 18 35 18 11 17 48 17 26 17 04 16 44 16 04 15 45 15 27 15 09 14 20 14 20 14 33 9	10 15 20 25 30 35 40 45 50 55 7 0 5 10 15 20 25 30 45 40 45 40 45 40 45 40 45 40 45 40 45 40 40 40 40 40 40 40 40 40 40 40 40 40	8 15 8 09 7 57 7 51 7 40 7 35 7 20 7 11 7 06 7 05 6 53 6 49 6 45 6 41	20 30 40 50 12 0 10 20 30 40 50 13 0 10 20 30 40 40 50 14 0 20 30 40 20 30 40 20 30 40 40 40 40 40 40 40 40 40 40 40 40 40	4 39 4 34 4 31 4 27 4 23 4 20 4 16 4 13 4 09 4 06 4 03 57 3 54 3 51 3 48 3 45 3 49 3 38	20 30 40 50 21 0 10 20 30 40 22 0 10 20 30 40 20 30 40 20 30 40 20 30 40 20 30 40 40 50 20 30 40 40 40 40 40 40 40 40 40 40 40 40 40	2 32 2 31 2 29 2 28 2 27 2 26 2 25 2 24 2 23 2 20 2 19 2 17 2 16 2 17 2 14 2 13 2 12	31 0 20 40 32 0 20 40 33 0 20 40 34 0 20 40 35 0 20 40 36 0 30 37 0 30 38 0	1 35 1 33 1 32 1 31 1 30 1 29 1 28 1 26 1 25 1 24 1 24 1 21 1 20 1 19 1 19 1 19 1 19 1 19 1 19	57 0 58 0 59 0 60 0 61 0 62 0 63 0 64 0 65 0 66 0 67 0 68 0 70 0 71 0 72 0 73 0 74 0 75 0	0 37 0 35 0 34 0 33 0 32 0 30 0 29 0 28 0 26 0 25 0 22 0 21 0 19 0 17 0 16 0 15
20 25 30 35 40 45 50 55 4 0 5 10 15 20 25	13 34 13 20 13 06 12 53 12 40 12 27 12 15 12 03 11 51 11 40 11 29 11 18 11 08 10 58	50 55 8 0 5 10 15 20 25 30 35 40 45 50 55	6 37 6 33 6 29 6 25 6 22 6 18 6 15 6 11 6 08 6 05 5 55 5 55	40 50 15 0 10 20 30 40 50 16 0 10 20 30 40 50	3 35 3 33 3 30 3 28 3 26 3 24 3 21 3 19 3 17 3 15 3 12 3 10 3 08 3 06	40 50 24 0 10 20 30 40 50 25 0 10 20 30 40 50	2 10 2 09 2 08 2 07 2 06 2 05 2 04 2 03 2 02 2 01 2 00 1 59 1 58 1 57	30 39 40 40 41 30 41 30 42 0 30 43 0 30 44 0 30 45 0	1 11 1 10 1 09 1 08 1 07 1 05 1 04 1 03 1 02 1 01 1 00 0 59 0 58 0 57	777 0 778 0 779 0 80 0 81 0 82 0 83 0 84 0 85 0 86 0 87 0 88 0 90 0	0 13 0 12 0 11 0 10 0 9 0 8 0 7 0 6 0 5 0 4 0 3 0 2 0 1

Ap. Alt.					н	EIGH	(T 0)	TH	E TH	ERM	OME	TER.				
0 0 0 0 10 0 20 0 30 0 40 0 11 0 0 1 1 20 1 30 1 1 40 1 50 2 20 2 40 4 5 30 6 30 7 8 9 10 11 12 13 14 15 16 16 17 18 19 19 20 5 50 60 65 70 68 80 90	20° '+" 2 40 2 32 2 25 1 59 1 1 59 1 1 31 1 23 1 1 11 1 6 2 58 53 45 41 38 36 62 21 20 18 17 16 15 14 13 10 8 7 6 6 5 4 3 3 3 2 2 1 1 0	24° /+" 2 18 2 12 2 15 1 59 1 53 1 43 1 13 1 25 1 21 1 11 1 57 53 49 45 41 38 35 35 35 37 24 22 20 18 17 16 15 14 31 21 11 8 7 6 5 4 3 3 2 2 1 1 0	28° '+" 1 55 1 49 1 44 1 39 1 25 1 21 1 17 1 14 1 8 1 25 1 21 1 17 1 14 44 41 38 32 20 28 20 28 17 16 14 13 12 12 12 11 10 9 9 7 6 5 4 3 3 2 2 2 1 1 0	32° '+" 1 33 1 28 1 24 1 20 1 16 1 12 1 20 1 16 1 12 1 3 1 0 0 1 16 1 3 1 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1				1	52°. '-" 10 9 9 8 8 8 7 7 6 6 6 6 5 5 5 4 4 4 3 3 3 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1		60° '-" 488 454 441 399 366 344 41 399 31 300 288 277 166 144 133 177 166 55 55 44 44 32 22 21 11 11 00 00 -+ 30°35		68° '-" 1 25 1 21 1 17 1 13 1 10 6 1 3 1 0 0 57 54 48 44 44 11 10 12 11 11 10 10 11 10 10 11 10 10 10 10 10	72° '-" 1 43 1 38 1 38 1 38 1 28 1 21 1 20 1 17 1 13 1 19 1 6 4 1 1 1 15 54 40 43 43 43 43 43 43 43 43 43 43 43 43 43	76° '-" 1 1 549 1 1 43 1 38 1 38 1 38 1 38 1 21 1 18 1 3 58 6 4 6 40 4 40 4 40 8 6 8 3 4 4 30 8 1 21 1 19 1 18 1 13 1 22 2 2 2 2 1 1 1 0	80° '_" 2 19 2 12 12 2 15 1 159 1 158 1 143 1 133 1 129 1 111 1 16 6 15 1 40 3 38 3 33 3 31 1 11 8 7 6 6 5 4 4 3 3 3 2 2 2 1 1 1 0

### SUN'S PARALLAX IN ALTITUDE.

Alt. 0° 12° 20° 30° 33° 39° 42° 48° 51° 57° 60° 66° 69° 72° 75° 78° 81° 84° 90° Parx. 9" 9" 8" 8" 7" 7" 6" 6" 6" 5" 5" 4" 4" 3" 3" 3" 2" 2" 1" 1" 0"

App. Alt.	Mean Refract.	Diff. for 10'.	Log. A.	Diff.	М.	N.	App. Alt.	Mean Refract.	Diff.	Log. A.	М.	N.
0 0 10 20 30 40 10 20 30 40 50	/ " 34 54·1 32 49·2 30 52·3 29 3·5 27 22·7 25 49·8 24 24·6 23 6·7 21 55·6 20 50·9 19 51·9 18 58·0	" 124 9 116 9 108 8 100 8 92 9 85 2 77 9 71 1 64 7 59 0 53 9	0-75803 1-03248 1-18228 1-28137 1-35300 1-40764 1-45086 1-48602 1-51530 1-54010 1-56142	9909 7163 5464 4322 3516 2928 2480 2132	1·1059 1·0952 1·0860 1·0780 1·0710 1·0648 1·0593 1·0546 1·0505 1·0465 1·0429 1·0397	1.7344 1.6767 1.6252 1.5789 1.5373 1.4995 1.4653 1.4341 1.4057 1.3797 1.3560 1.3342	0 / 10 0 10 20 30 40 50 30 40 50	5 16·2 5 11·2 5 11·2 5 1·7 4 57·2 4 52·8 4 48·5 4 44·3 4 40·2 4 36·3 4 32·4 4 28·7	5.0 4.8 4.7 4.5 4.4 4.3 4.2 4.1 3.9 3.9 3.7	1*74623 1*74670 1*74714 1*74757 1*74799 1*74839 1*74876 1*74912 1*74947 1*74981 1*75013 1*75043	1.0041 1.0040 1.0039 1.0038 1.0037 1.0036 1.0034 1.0034 1.0033 1.0032 1.0031	1·0420 1·0409 1·0398 1·0387 1·0367 1·0357 1·0347 1·0338 1·0328 1·0318 1·0308
2 0 10 20 30 40 50 3 0 10 20 30 40 50	18 8:6 17 23:0 16 40:7 16 0:9 15 23:4 14 47:8 14 14:6 13 43:7 13 15:0 12 48:3 12 23:7 12 0:7	49·4 45·6 42·3 39·8 37·5 35·6 33·2 30·9 28·7 26·7 24·6 23·0	1·57995 1·59618 1·61041 1·62278 1·63353 1·64296 1·65114 1·65869 1·66560 1·67204 1·67813 1·68383	1853 1623 1423 1237 1075 933 828 755 691 644 609 570	1.0368 1.0342 1.0318 1.0298 1.0278 1.0261 1.0244 1.0230 1.0216 1.0204 1.0192 1.0182	1·3141 1·2955 1·2783 1·2624 1·2477 1·2341 1·2215 1·2098 1·1989 1·1888 1·1794 1·1706	12 0 10 20 30 40 50 13 0 10 20 30 40 50	4 25·0 4 21·4 4 18·0 4 14·6 4 11·3 4 8·0 4 4·9 4 1·8 3 55·8 3 55·9 3 53·0 3 50·2	3·7 3·6 3·4 3·3 3·3 3·1 3·1 3·0 2·9 2·8	1·75072 1·75101 1·75129 1·75180 1·75205 1·75220 1·75252 1·75274 1·75274 1·75316 1·75336	1·0030 1·0029 1·0028 1·0027 1·0027 1·0026 1·0026 1·0025 1·0024 1·0024 1·0023	1·0299 1·0290 1·0281 1·0272 1·0264 1·0258 1·0252 1·0246 1·0241 1·0235 1·0230 1·0225
4 0 10 20 30 40 50 10 20 30 40 50	11 38·9 11 18·3 10 58·6 10 39·6 10 21·2 10 3·3 9 46·5 9 30·9 9 16·0 9 1·9 8 48·4 8 35·6	21.8 20.6 19.7 19.0 18.4 17.9 16.8 15.6 14.9 14.1 13.5 12.8	1 68908 1 69384 1 69816 1 70505 1 70772 1 71020 1 71279 1 71279 1 71749 1 71961 1 72160	525 476 432 372 317 267 248 259 243 227 212 199	1·0172 1·0163 1·0155 1·0147 1·0140 1·0133 1·0127 1·0121 1·0115 1·0110 1·0105 1·0100	1·1624 1·1549 1·1478 1·1408 1·1342 1·1283 1·1229 1·1178 1·1130 1·1082 1·1036 1·0992	14 0 10 20 30 40 50 15 0 16 17 18 19 20	3 47·4 3 44·7 3 42·1 3 39·5 3 37·0 3 34·5 3 32·1 3 18·6 3 6·6 2 55·8 2 46·1 2 37·3	2·8 2·7 2·6 2·6 2·5 2·4 13·5 12·0 10·8 9·7 8·8	1.75355 1.75353 1.75391 1.75498 1.75425 1.75441 1.75457 1.75543 1.75615 1.75675 1.75726 1.75771		1·0220 1·0216 1·0212 1·0208 1·0204 1·0200 1·0197 1·0175 1·0156 1·0139 1·0124 1·0111
6 0 10 20 30 40 50 7 0 10 20 30 40 50 50	8 23·3 8 11·6 8 0·3 7 49·5 7 39·2 7 29·2 7 19·7 7 10·5 7 1·7 6 53·3 6 45·1 6 37·2	12·3 11·7 11·3 10·8 10·3 10·0 9·5 9·2 8·8 8·4 8·2 7·9	1·72346 1·72519 1·72681 1·72832 1·72974 1·73105 1·73229 1·73347 1·73459 1·73564 1·73663 1·73757	186 173 162 151 142 131 124 118 112 105 99 94	1·0096 1·0092 1·0088 1·0084 1·0081 1·0075 1·0073 1·0070 1·0067 1·0065 1·0062	1.0951 1.0914 1.0879 1.0846 1.0815 1.0784 1.0754 1.0725 1.0697 1.0646 1.0622	21 22 23 24 25 26 27 28 29 30 31 32	2 29·3 2 21·9 2 15·2 2 8·9 2 3·2 1 57·8 1 52·8 1 48·2 1 43·8 1 39·7 1 35·8 1 32·1	8·0 7·4 6·7 6·3 5·7 5·4 5·0 4·6 4·4 4·1 3·9 3·7	1·75809 1·75842 1·75871 1·75897 1·75919 1·75939 1·75957 1·75973 1·75978 1·76001 1·76012 1·76023		1·0101 1·0092 1·0083 1·0075 1·0068 1·0063 1·0058 1·0054 1·0049 1·0046 1·0043 1·0040
8 0 10 20 30 40 50 9 0 10 20 30 40 50	6 29·6 6 22·3 6 15·2 6 8·4 6 1·8 5 55·4 5 49·3 5 43·3 5 37·6 5 32·0 5 26·5 5 21·3	7.6 7.3 7.1 6.8 6.6 6.4 6.1 6.0 5.7 5.6 5.5 5.2	1 '73845 1 '73928 1 '74007 1 '74083 1 '74155 1 '74223 1 '74223 1 '74352 1 '74412 1 '74468 1 '74521 1 '74573	88 83 79 76 72 68 65 64 60 56 53 52 50	1.0060 1.0058 1.0056 1.0054 1.0052 1.0050 1.0049 1.0047 1.0046 1.0045 1.0043 1.0042	1.0600 1.0579 1.0559 1.0540 1.0523 1.0508 1.0493 1.0479 1.0466 1.0454 1.0442	33 34 35 36 37 38 39 40 41 42 43 44	1 28·7 1 25·4 1 22·3 1 19·3 1 16·5 1 13·8 1 11·2 1 8·7 1 6·3 1 4·0 1 1·8 0 59·7	3·4 3·3 3·1 3·0 2·8 2·7 2·6 2·5 2·4 2·3 2·2 2·1 2·0	1.76033 1.76042 1.76050 1.76058 1.76065 1.76071 1.76077 1.76082 1.76087 1.76092 1.76090 1.76100		1·0037 1·0034 1·0034 1·0029 1·0027 1·0026 1·0025 1·0023 1·0021 1·0020 1·0019

App. Alt.	Mean Ref.		Log. A.			depending rometer.			T, dependi			ernal
	,,			Eng. In.	В.	Log. B.	Fahr.	T.	Log. T.	Fahr.	T.	Log. T.
45 46 47 48 49 50 51 52 53 54 55 56	57.7 55.7 53.8 51.9 50.2 48.4 46.7 45.1 43.5 41.9 40.4 38.9	2·0 1·9 1·9 1·7 1·8 1·7 1·6 1·6 1·5 1·5	1·76104 1·76107 1·76111 1·76114 1·76119 1·76122 1·76124 1·76128 1·76130 1·76132	27·9 28·0 28·1 28·2 28·3 28·4 28·5 28·6 28·7	0·943 0·946 0·949 0·953 0·966 0·963 0·966 0·970 0·973	-0·02564 -0·02409 -0·02254 -0·02099 -0·01946 -0·01793 -0·01640 -0·01488 -0·01336 -0·01185	-20 19 18 17 16 15 14 13 12 11	1°156 1°153 1°150 1°148 1°145 1°143 1°140 1°138 1°135 1°132	+0.06279 +0.06181 +0.06083 +0.05985 +0.05790 +0.05596 +0.05596 +0.05596 +0.05500 +0.05403	+38 39 40 41 42 43 44 45 46 47	1.022 1.019 1.017 1.015 1.013 1.011 1.009 1.007 1.005 1.003	+0.00924 +0.00837 +0.00750 +0.00664 +0.00578 +0.00492 +0.00492 +0.00234 +0.00234 +0.00149
57 53 59 60 61 62 63 64 65 66 67 68	37·5 36·1 34·7 33·3 32·0 30·7 29·4 28·2 26·9 25·7 24·5 23·3	1.4 1.4 1.4 1.3 1.3 1.3 1.2 1.3 1.2 1.2	1.76134 1.76136 1.76138 1.76149 1.76142 1.76143 1.76144 1.76145 1.76146 1.76147	29·0 29·1 29·2 29·3 29·3 29·4 29·5 29·6 29·7 29·8 29·9	0.976 0.980 0.983 0.987 0.990 0.993 0.997 1.000 1.003 1.007 1.010	-0·01035 -0·00885 -0·00735 -0·00586 -0·00438 -0·00290 -0·00142 +0·00005 +0·00151 +0·00297 +0·00443 +0·00588	10 9 8 7 6 5 4 3 2 - 1 0 + 1	1·130 1·128 1·125 1·123 1·120 1·118 1·115 1·113 1·110 1·108 1·106 1·103	$\begin{array}{c} +0.05307\\ +0.05211\\ +0.05115\\ +0.05020\\ +0.04924\\ +0.04829\\ +0.04734\\ +0.04640\\ +0.04645\\ +0.044545\\ +0.04451\\ +0.04263\\ \end{array}$	48 49 50 51 52 53 54 55 56 57 58	1·001 1·000 0·998 0·996 0·999 0·990 0·988 0·986 0·984 0·982 0·980	+0.00064 -0.00021 -0.00106 -0.00101 -0.00360 -0.00444 -0.00528 -0.00612 -0.00698 -0.00780 -0.00863
69 70 71 72 73 74 75 80 85 90	22·2 21·0 19·9 18·8 17·7 16·6 15·5 10·2 5·1 0·0	1·1 1·2 1·1 1·1 1·1 1·1 1·1 5·3 5·1 5·1	1.76148 1.76149 1.76150 1.76151 1.76151 1.76151 1.76152 1.76154 1.76156	30·2 30·3 30·4 30·5 30·6 30·7 30·8 30·9	1.017 1.020 1.024 1.027 1.031 1.034 1.037 1.041 1.044 1.047	+0·00732 +0·00876 +0·01020 +0·01163 +0·01306 +0·01448 +0·01589 +0·01731 +0·01871 +0·02012	2 3 4 5 6 7 8 9 10 11 12 13	1·101 1·098 1·096 1·094 1·091 1·089 1·087 1·084 1·082 1·080 1·078 1·075	$\begin{array}{c} +0.04169\\ +0.04076\\ +0.03982\\ +0.03889\\ +0.03796\\ +0.03704\\ +0.03611\\ +0.03519\\ +0.03427\\ +0.03335\\ +0.03243\\ +0.03152\\ \end{array}$	60 61 62 63 64 65 66 67 68 69 70	0.978 0.977 0.975 0.973 0.971 0.969 0.967 0.965 0.964 0.962 0.960 0.958	-0.00946 -0.01029 -0.01112 -0.01195 -0.01278 -0.01360 -0.01443 -0.01525 -0.01607 -0.01689 -0.01770 -0.01852
			lependin nometer				14 15 16	1·073 1·071 1·069	+0.03060 +0.02969 +0.02878	72 73 74	0.956 0.955 0.953	-0.01933 -0.02015 -0.02096
Fahr.  -20 -15 -10 -5 0 +5 +10 +15 +20	1·005 1·004 1·008 1·003 1·003 1·002 1·002 1·002	3 +0 4 +0 8 +0 8 +0 +0 +0 +0 +0	0-00203 0-00183 0-00164 0-00164 0-00125 0-00105 0-00086 0-00066 0-00047	+75 +80	t, 0°999 0°999 0°998 0°998 0°997 0°997 0°996 0°996	Log. t.  -0.00031 -0.00050 -0.00070 -0.00089 -0.00109 -0.00128 -0.00148 -0.00167 -0.00188	17 18 19 20 21 22 23 24 25 —————————————————————————————————	1.066 1.064 1.062 1.060 1.057 1.055 1.053 1.051 1.049 1.047 1.044 1.042	+0.02787 +0.02697 +0.02606 +0.02514 +0.02326 +0.02247 +0.02068 -0.02068 +0.01879 +0.01879 +0.01890 +0.01890	75 76 77 78 79 80 81 82 83 84 85 86	0.951 0.949 0.948 0.946 0.944 0.942 0.941 0.939 0.937 0.935 0.934 0.932	-0.02177 -0.00257 -0.002573 -0.02419 -0.02499 -0.02659 -0.02738 -0.02819 -0.02898 -0.02978 -0.03067
+	log. A	efract	ion = lo (log. B = Mean	+90 +95 g. cota + log.	t) + 1	-	29 30 31 32 33 34 35 36 +37	1.040 1.038 1.036 1.034 1.032 1.030 1.028 1.026 1.024	+0·01713 +0·01624 +0·01536 +0·01448 +0·01360 +0·01273 +0·01185 +0·01098 +0·01011	87 88 89 90 91 92 93 94 +95	0·930 0·929 0·927 0·925 0·924 0·922 0·920 0·919 0·917	-0'03136 -0'03216 -0'03294 -0'03373 -0'03452 -0'03530 -0'03609 -0'03687 -0'03765

### CORRECTION OF MOON'S MERIDIAN PASSAGE.

DAILY VARIATION OF MOON'S MERIDIAN PASSAGE.

Long.	39 m.	42 m.	45 m.	48 m.	51 m.	54 m.	57 m.	60 m.	63 m.	66 m.
•	m.	m.	m.	m,	m,	m.	ın.	m.	m.	m.
10	1:1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.7	1.8
20	2.2	2.3	2.5	2.7	2.8	3.0	3.2	3.3	3.5	3.7
30	3.3	3.5	3.7	4.0	4.2	4.5	4.7	5.0	5.2	5.2
40	4.3	4.7	5.0	5.3	5.7	6.0	6.3	6.7	7.0	7.3
50	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7	9.2
60	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
70	7.6	8.2	8.7	9.3	9.9	10.2	11.1	11.7	12.2	12.8
80	8.7	9.3	10.0	10.7	11.3	12.0	12.7	13.3	14.0	14.7
90	9.8	10.5	11.2	12.0	12.7	13.2	14.2	15.0	15.7	16.5
100	10.8	11.7	12.5	13.3	14.2	15.0	15.8	16.7	17.5	18.3
110	11.9	12.8	13.7	14.7	15.6	16.5	17.4	18.3	19.2	20.2
120	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0
130	14.1	15.2	16.2	17.3	18.4	19.5	20.6	21.7	22.7	23.8
140	15.2	16.3	17.5	18.7	19.8	21.0	22.2	23.3	24.5	25.7
150	16.3	17.5	18.7	20.0	21.2	22.5	23.7	25.0	26.2	27.5
160	17.3	18.7	20.0	21.3	22.7	24.0	25.3	26.7	28.0	29.3
170	18.4	19.8	21.2	22.7	24.1	25.5	26.9	28.3	29.7	31.2
180	19.5	21.0	22.5	24.0	25.5	27.0	28.5	30.0	31.5	33.0

### AUGMENTATION OF MOON'S SEMI-DIAMETER.

MOON'S HORIZONTAL DIAMETER BY NAUTICAL ALMANAC.

. 0	0	,,					
0		-	"	"	"	"	"
		0	0	0	0	0	0
3	.8	.9	9	1.0	1.0	1.1	1.1
6	1.5	1.6	1.7	1.8	1.8	1.9	2.0
9	2.3	2.4	2.5	2.6	2.7	2.8	2.9
12	3.0	3.1	3.2	3.4	3.6	3.7	3.8
15	3.7	3.8	4.0	4.2	4.4	4.6	4.7
18	4.4	4.6	4.8	5.0	5.2	5.4	5.6
21	5.1	5.3	5.5	5.7	5.9	6.1	6.3
24	5.8	6.1	6.2	6.3	6.5	6.7	6.9
27	6.5	6.7	6.8	7.0	7.2	7.3	7.5
30	7.1	7.3	7.6	7.8	8.1	8.3	8.2
33	7.7	8.0	8.3	8.6	8.9	9.3	9.6
36	8.2	8.6	9.0	9.4	9.8	10.2	10.5
39	8.8	9.2	9.6	10.1	10.5	10.9	11.3
42	9.3	9.8	10.2	10.8	11.1	11.6	12.1
45	9.9	10.4	10.8	11.3	11.8	12.3	12.8
48	10.3	10.8	11.4	11.8	12.4	12.9	13.4
51	10.8	11.3	11.9	12.3	12.9	13.5	14.0
54	11.3	11.8	12.4	12.9	13.5	14.0	14.6
57 -	11.8	12.3	12.9	13.4	14.0	14.5	15.1
60	12.3	12.8	13.4	13.9	14.5	15.0	15.6
63	12.6	13.1	13.7	14.2	14.8	15.4	16.0
66	12.8	13.4	14.0	14.6	15.2	15.8	16.4
69	13.0	13.6	14.2	14.9	15.5	16.1	16.7
72	13.2	13.9	14.6	15.2	15.8	16.4	17.2
75	13.4	14.1	14.8	15.4	16.1	16.7	17.4
78	13.6	14.3	15.0	15.6	16.3	16.9	17.6
81	13.8	14.4	15.1	15.8	16.4	17.1	17.8
84	13.9	14.5	15.2	15.9	16.6	17.2	17.9
87 90	14·0 14·0	14·6 14·7	15·3 15·4	16·0 16·1	16·7 16·7	17·3 17·4	18·0 18·1

		TO RE	DUCE M	EAN TO	SIDER	EAL TI	ME.		
SOLAR HOURS.	Add Min. Sec.	SOLAR MIN.	Add Sec.	SOLAR MIN.	Add Sec.	SOLAR SEC.	Add Sec.	SOLAR SEC.	Add Sec.
1	0 9.86	1	0.16	31	5.09	1	0.00	31	0.08
1 2	0 19.71	2	0.33	32	5.26	2	0.01	82	0.08
8	0 29.57	2 3 4 5 6 7 8 9	0.49	33	5.42	3	0.01	33	0.08
4	0 39.43	4	0.66	34	5.59	4	0.01	84	0.08
5	0 49.28	5	0.82	35	5.75	5	0.01	35	0.10
6	0 59.14	6	0.99	36	5.92	6	0.02	36	0.10
7	1 9.00	7	1.12	37	6.08	7	0.02	87	0.10
8	1 18.85	8	1.31	38	6.24	8	0.02	38	0.10
9	1 28.71		1.48	39	6.41	9	0.03	39	0.11
10	1 38.57	10	1.64	40	6.57	10	0.03	40	0.11
11	1 48.42	11	1.81	41	6.74	11	0.03	41	0.11
12	1 58.28	12	1.97	42	6.90	12	0.03	42	0.15
13	2 8.13	13	2.14	43	7.07	13	0.04	43	0.15
14 15	2 17·99 2 27·85	14	2:30	44	7.23	14	0.04	44	0.15
16	2 27·85 2 37·70	15 16	2.46	45	7.39	15	0.04	45	0.12
17	2 47.56	17	2.63	46	7.56	16	0.04	46	0.13
18	2 57.42	18	2.96	47 48	7·72 7·89	17 18	0.05	48	0.13
19	3 7.27	19	3.12	49	8.05	19	0.05	49	0.13
20	3 17.13	20	3.29	50	8.22	20	0.06	50	0.14
21	3 26.99	21	3.45	51	8:38	21	0.06	51	0.14
22	3 36.84	22	3.61	52	8.54	22	0.06	52	0.14
23	3 46.70	23	3.78	53	8.71	23	0.06	53	0.1
24	3 56.56	24	3.94	54	8.87	24	0.07	54	0.15
25	4 6.40	25	4.11	55	9.04	25	0.07	55	0.18
26	4 16.26	26	4.27	56	9.20	26	0.07	56	0.15
27	4 26.13	27	4.44	57	9.37	27	0.08	57	0.16
28	4 36.00	28	4.60	58	9.23	28	0.08	58	0.16
29	4 45.86	29	4.76	59	9.69	29	0.08	59	0.16
30	4 55.71	30	4.93	60	9.86	30	0.08	60	0.1

	10	REDUCE	SIDEREAL	TO	MEAN	TIME	
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			1 1			1	

١	SID.	Subtract Min. Sec.	SID.	Subtract Sec.	SID.	Subtract Sec.	SID.	Subtract Sec.	SID.	Subtract Sec.
-1										
١	1	0 9.83	1	0.16	31	5.08	1	0.00	31	0.08
1	2	0 19.66	2	0.33	32	5.24	2 3	0.01	32	0.09
1	3	0 29.49	3	0.49	33	5.41	3	0.01	33	0.09
1	4	0 39.32	4	0.66	34	5.57	4	0.01	34	0.09
J	5	0 49.15	5	0.85	35	5.73	5	0.01	35	0.10
1	6	0 58.98	6 7	0.98	36	5.90	6 7 8	0.02	36	0.10
	7	1 8.81	7	1.12	37	6.06	7	0.02	37	0.10
	8	1 18.64	8	1.31	38	6.53	8	0.02	38	0.10
	9	1 28.47	9	1.47	39	6.39	9	0.05	39	0.11
ı	10	1 38.30	10	1.64	40	6.55	10	0.03	40	0.11
	11	1 48.12	11	1.80	41	6.72	11	0.03	41	0.11
	12	1 57.95	12	1.97	42	6.88	12	0.03	42	0.11
	13	2 7.78	13	2.13	43	7.04	13	0.04	43	0.12
	14	2 17.61	14	2.29	44	7.21	14	0.04	44	0.12
	15	2 27.44	15	2.46	45	7.37	15	0.04	45	0.12
	16 17	2 37·27 2 47·10	16 17	2.62	46 47	7.54	16 17	0.04	46	0.13
		2 56.93		2.79		7.70		0.05	47	0.13
	18	3 6.76	18 19	3.11	48	7.86	18	0.02	48	0.13
	19 20	3 16.59	20	3.28	49 50	8.03	19 20	0.08	49	0.13
8	21	3 26.42	21	3.44	51	8.36	21	0.08	50 51	0.14
	22	3 36.25	22	3.60	52	8.52	22	0.06	52	0·14 0·14
	23	3 46.08	23	3.77	53	8.68	23	0.08	53	0.14
	24	3 55.91	24	3.93	54	8.85	24	0.07	54	0.12
	25	4 5.74	25	4.10	55	9.01	25	0.07	55	0.15
	26	4 15.57	26	4.26	56	9.17	26	0.07	56	0.15
	27	4 25.41	27	4.42	57	9.34	27	0.07	57	0.16
	28	4 35.24	28	4.59	58	9.50	28	0.08	58	0.16
	29	4 45.07	29	4.75	59	9.67	29	0.08	59	0.16
	30	4 54.90	30	4.92	60	9.83	30	0.08	60	0.16
1			1	1		1				

# FOR REDUCING DEGREES TO TIME.

FOR REDUCING TIME
TO DEGREES.

0	Н. М.	0	н. м.	ကို	ro <sup>2</sup>		zů.	M.	0 /	M.	٥	,
,	M. S.	'	M. S.	Degrees.	Hours. Minutes.	Hours.	Degrees.	S.	, "	S.	,	"
"	S. T.	"	S. T.	De	Mi Hi	H	De	T.	" "	T.	"	"
1	0 4	51	3 24	101	6 44	1	15	1	0 15	51	12	45
2	0 8	52	3 28	102	6 48	1½	22½	2	0 30	52	13	0
8	0 12	53	3 32	103	6 52	2	30	3	0 45	53	13	15
4	0 16	54	3 36	104	6 56	2½	37½	4	1 0	54	13	30
5	0 20	55	3 40	105	7 0	3	45	5	1 15	55	13	45
6	0 24	56	3 44	106	7 4	3½	52½	6	1 30	56	14	0
7	0 28	57	3 48	107	7 8	4	60	7	1 45	57	14	15
8	0 32	58	3 52	108	7 12	4½	67½	8	2 0	58	14	30
9	0 36	59	3 56	109	7 16	5	75	9	2 15	59	14	45
10	0 40	60	4 0	110	7 20	5½	82½	10	2 30	60	15	0
11	0 44	61	4 4	115	7 40	6	90	11	2 45	61	15	15
12	0 48	62	4 8	120	8 0	61	97½	12	3 0	62	15	30
13	0 52	63	4 12	125	8 20	7	105	13	3 15	63	15	45
14	0 56	64	4 16	130	8 40	71	112½	14	3 30	64	16	0
15	1 0	65	4 20	135	9 0	8	120	15	3 45	65	16	15
16	1 4	66	4 24	140	9 20	8½	127½	16	4 0	66	16	30
17	1 8	67	4 28	145	9 40	9	135	17	4 15	67	16	45
18	1 12	68	4 32	150	10 0	9½	142½	18	4 30	68	17	0
19	1 16	69	4 36	155	10 20	10	150	19	4 45	69	17	15
20	1 20	70	4 40	160	10 40	10½	157½	20	5 0	70	17	30
21	1 24	71	4 44	165	11 0	11	165	21	5 15	71	17	45
22	1 28	72	4 48	170	11 20	11½	172½	22	5 30	72	18	0
23	1 32	73	4 52	175	11 40	12	180	23	5 45	73	18	15
24	1 36	74	4 56	180	12 0	12½	187½	24	6 0	74	18	30
25	1 40	75	5 0	185	12 20	13²	195	25	6 15	75	18	45
26	1 44	76	5 4	190	12 40	13½	$202\frac{1}{2}$ $210$ $217\frac{1}{2}$ $225$ $232\frac{1}{2}$	26	6 30	76	19	0
27	1 48	77	5 8	195	13 0	14		27	6 45	77	19	15
28	1 52	78	5 12	200	13 20	14½		28	7 0	78	19	30
29	1 56	79	5 16	205	13 40	15		29	7 15	79	19	45
30	2 0	80	5 20	210	14 0	15½		30	7 30	80	20	0
31	2 4	81	5 24	215	14 20	16	240	31	7 45	81	20	15
32	2 8	82	5 28	220	14 40	16½	247½	32	8 0	82	20	30
33	2 12	83	5 32	225	15 0	17	255	33	8 15	83	20	45
34	2 16	84	5 36	230	15 20	17½	262½	34	8 30	84	21	0
35	2 20	85	5 40	235	15 40	18	270	35	8 45	85	21	15
36 37 38 39 40	2 24 2 28 2 32 2 36 2 40	86 87 88 89 90	5 44 5 48 5 52 5 56 6 0	240 245 250 255 260	16 0 16 20 16 40 17 0 17 20	$   \begin{array}{c}     18\frac{1}{2} \\     19 \\     19\frac{1}{2} \\     20 \\     20\frac{1}{2}   \end{array} $	$\begin{array}{c} 277\frac{1}{2} \\ 285 \\ 292\frac{1}{2} \\ 300 \\ 307\frac{1}{2} \end{array}$	36 37 38 39 40	9 0 9 15 9 30 9 45 10 0	86 87 88 89 90	21 21 22 22 22 22	30 45 0 15 30
41 42 43 44 45	2 44 2 48 2 52 2 56 3 0	91 92 93 94 95	6 4 6 8 6 12 6 16 6 20	270 280 290 300 310	18 0 18 40 19 20 20 0 20 40	21 21½ 22 22½ 23²	315 322½ 330 337½ 345	41 42 43 44 45	10 15 10 30 10 45 11 0 11 15	91 92 93 94 95	22 23 23 23 23 23	45 0 15 30 45
46 47 48 49 50	3 4 3 8 3 12 3 16 3 20	96 97 98 99 100	6 24 6 28 6 32 6 36 6 40	320 330 340 350 360	21 20 22 0 22 40 23 20 24 0	23½ 24	352½ 360	46 47 48 49 50	11 30 11 45 12 0 12 15 12 30	96 97 98 99 100	24 24 24 24 24 25	0 15 30 45 0

## MEAN MOTION OF SUN FOR PERIODS OF MEAN TIME.

Mean Time.	Mean Motion.	Mean Time.	Mean Motion.	Mean Time.	Mean Motion
Hours,  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	2 27.847 4 55.694 7 23.541 9 51.388 12 19.235 14 47.081 17 14.928 19 42.775 22 10.622 24 38.469 27 6.316 29 34.163 32 2.010 34 29.857 36 57.703	Min. 1 2 8 4 5 6 7 7 8 9 10 11 12 13 14 15	0 2'464 0 4'928 0 7'392 0 9'856 0 12'321 0 14'785 0 17'249 0 19'713 0 22'177 0 24'641 0 27'105 0 29'569 0 32'033 0 34'497	Sec.  1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15	0.041 0.082 0.123 0.164 0.205 0.246 0.287 0.369 0.411 0.452 0.493 0.534 0.575
16 17 18 19 20 21 22 23 24	39 25·550 41 53·397 44 21·244 46 49·091 49 16·938 51 44·784 54 12·631 56 40·478 59 8·325	16 17 18 19 20 21 22 23 24 25 26 27	0 39'426 0 41'890 0 44'354 0 46'818 0 49'282 0 51'746 0 54'210 0 56'674 0 59'138 1 1'603 1 4'067 1 6'531	16 17 18 19 20 21 22 23 24 25 26 27	0 '657 0 '698 0 '739 0 '780 0 '821 0 '862 0 '903 0 '944 0 '985 1 '027 1 '068 1 '109
Days.  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	0 59 872 1 58 16:45 2 57 24:98 8 56 38:30 4 55 41:62 5 54 49:95 6 53 58:23 7 53 6:60 8 52 14:92 9 51 23:25 10 50 31:58 11 49 39:90 12 48 48:23 13 47 56:55 14 47 4:87 15 46 13:20 16 45 21:53 17 42 29:85	28 29 30 31 32 33 34 35 36 37 38 40 41 42 43 44 45	1 8-995 1 11-459 1 13-923 1 16-387 1 18-851 1 21-315 1 23-779 1 26-244 1 28-708 1 31-172 1 33-636 1 36-100 1 38-565 1 41-029 1 43-493 1 45-957 1 48-421 1 50-885	28 29 30 31 32 33 34 35 36 37 38 40 41 42 43 44 45	1-150 1-191 1-232 1-273 1-314 1-355 1-396 1-437 1-478 1-519 1-560 1-601 1-643 1-684 1-725 1-766 1-897 1-788
19 20 21 22 23 24 25 26 27 28 29 30 31	18 43 38:17 19 42 46:50 20 41 54:83 21 41 3:15 22 40 11:48 23 39 19:80 24 38 28:12 25 37 36:45 26 36 44:78 27 35 53:10 28 35 1:42 29 34 9:75 30 33 18:08	46 47 48 49 50 51 52 53 54 55 56 57 58 59	1 53°349 1 55°813 1 58°277 2 0°741 2 3°206 2 5°670 2 8°134 2 10°598 2 13°062 2 15°526 2 17°990 2 20°454 2 22°918 2 25°382 2 27°847	46 47 48 49 50 51 52 53 54 55 56 57 58 59	1 ·889 1 ·930 1 ·971 2 ·012 2 ·053 2 ·094 2 ·135 2 ·176 2 ·217 2 ·259 2 ·300 2 ·341 2 ·382 2 ·423

### DISTANCE OF THE VISIBLE HORIZON.

The Distances are in Nautical Miles, and the Height of the Eye in Feet.

Height	Distance	Height	Distance	Height	Distance	Height	Distance	Height	Distanc
in	in Sea	in	in Sea	in	in Sea	in	in Sea	in	in Sea
Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.
1	1.06	61	8.31	142	12.67	720	28.53	2550	53.70
2	1.50	62	8.37	144	12.76	740	28.93	2600	54·22 54·74
3 4	1.84 2.13	63 64	8·44 8·51	146 148	12.76 12.85 12.94	760 780	29·32 29·70	2650 2700	55.25
5	2.38	65	8.28	150	13.03	800	30.08	2750	55.76
	2.60	66	8.64	155	13.24	820	30.45	2800	56.27
6 7 8	2.81	67	8.70	160	13.45	840	30.82	2850	56.77
9	3·01 3·19	68 69	8·77 8·83	165 170	13.66 13.87	860 880	31·19 31·55	2900 2950	57·27 57·76
10	3.36	70	8.89	175	14.07	900	31.90	3000	58.25
11	3.53	70 71	8.96	180	14.27	920	32.25	3050	58.73
12 13	3.68 3.83	72 73	9.02	185 190	14·46 14·66	940	32.60	3100	59.21
14	3.98	74	9·09 9·15	195	14.85	960 980	32°95 33°29	3150 3200	59.68 60.15
15	4.12	75	9.21	200	15.04	1000	33.63	3250	60.62
16	4.25	76	9.27	210	15.41	1020	33.96	3300	61.09
17 18	4·38 4·51	77	9.39 9.33	220 230	15:77 16:13	1040 1060	34·29 34·62	3350 3400	61·55 62·01
19	4.23	78 79	9.45	240	16.47	1080	34.95	3450	62.46
20	4.76	80	9.51	250	16.81	1100	35.27	3500	62.91
21 22	4.87 4.99	81 82	9.57	260 270	17·15 17·47	1120 1140	35·59 35·90	3550 3600	63.36
23	5.10	83	9·63 9·69	280	17.79	1160	36.22	3650	64.24
24	5.21	84	9.75	290	18.11	1180	36.24	3700	64.68
25	5.32	85	9.80	300	18.42	1200	36.84	3750	65.12
26 27	5·42 5·52	86 87	9·86 9·92	310 320	18·72 19·02	1220 1240	37·14 37·45	3800 3850	65·55 65·98
28	5.62	88	9.98	330	19.32	1260	37.75	3900	66.41
29	5.72	89	10.03	340	19.61	1280	38.05	3950	66.83
30 31	5.82	90	10.09	350 360	19.90	1300	38·34 38·64	4000	67·26 68·09
32	5.92 6.01	91 92	10·14 10·20	370	20·18 20·46	1320 1340	38.93	4100 4200	68.92
33	6.11	93	10.25	380	20.73	1360	39.22	4300	69.73
34	6.20	94	10.31	390	21.00	1380	39.50	4400	70.54
35 36	6·29 6·38	95 96	10·36 10·42	400 410	21·27 21·53	1400 1420	39·79 40·07	4500 4600	71·34 72·12
37	6.47	97	10.47	420	21.79	1440	40.35	4700	72.91
38	6.28	98	10.53	430	22.05	1460	40.63	4800	73.68
39	6.64	99	10.58	440 450	22:31	1480 1500	40.91	4900	74.44
40 41	6·73 6·81	100 102	10.63 10.74	460	22.66 22.81	1550	41·19 41·87	5000 5100	75·20 75·95
42	6.89	104	10.84	470	23.05	1600	42.54	5200	76.69
43	6.97	106	10.95	480	23.30	1650	43.20	5300	77.42
44 45	7·05 7·13	108 110	11·05 11·15	490 500	23·54 23·78	1700 1750	43·85 44·49	5400 5500	78·15 78·87
46	7.21	112	11.25	510	24.01	1800	45.12	5600	79.58
47	7.29	114	11.35	520	24.25	1850	45.74	5700	80.29
48 49	7:37	116	11.45 11.5	530 540	24·48 24·71	1900 1950	46·35 46·96	5800 5900	80.99 81.69
50	7·44 7·52	118 120	11.65	550	24.71	2000	47.56	6000	82:38
51	7.59	122	11.75	560	25.16	2050	48.15		
52	7.67	124	11.84	570	25.39	2100	48.73	In Na	utical or
53 54	7·74 7·81	126 128	11.94 12.03	580 590	25·61 25·83	2150 2200	49·31 49·88		Miles.
55	7.89	130	12:12	600	26.05	2250	50.44	Height.	Dist
56	7.96	132	12.22	620	26.48	2300	51.00		_
57 58	8.03	134 136	12:31 12:40	640 660	26·90 27·32	2350 2400	51.55 52.10	1 2	82·9 117·2
59	8.17	138	12.49	680	27.73	2450	52.64	2 3	143.6
60	8.24	140	12.58	700	28.14	2500	53.17	4	166.8

## REDUCTION OF MOON'S HORIZONTAL PARALLAX AND SEMI-DIAMETER TO ANY GIVEN GREENWICH DATE.

Add the Cor. when the Hor. Par. or Semid. is increasing; Subtract it when decreasing.

Time.													DIE	FE	REN	CE	IN	12	но	URS										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
H.	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	11	"	"	"	"	11	"	"	"	"	"	"
1 1 1 1 2 2 2 2	0 0 0 0 0	0 0 0 0 0	0 0 0 1 1	0 0 1 1 1	0 0 1 1 1	0 1 1 1 1	0 1 1 1 1	0 1 1 1 2	0 1 1 2 2	0 1 1 2 2	1 1 2 2	1 1 2 2 3	1 1 2 2 3	1 2 2 3	1 1 2 3 3	1 2 3 3	1 1 2 3 4	1 2 2 3 4	1 2 2 3 4	1 2 3 4	1 2 3 4 4	1 2 3 4 5	1 2 8 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	1 2 3 5 6	1 2 4 5 6	1 2 4 5 6	1 2 4 5 6
3 3 4 4 4 5	0 0 0 0 0	1 1 1 1	1 1 1 1	1 1 1 2 2	1 1 2 2 2	2 2 2 3	2 2 2 3 3	2 2 3 3 3	23334	3 3 4 4	3 4 4 5	3 4 4 5 5	3 4 4 5 5	4 4 5 5 6	4 4 5 6 6	4 5 5 6 7	4 5 6 6 7	5 5 6 7 8	5 6 6 7 8	56788	5 6 7 8 9	6 6 7 8 9	6 7 8 9 10	6 7 8 9 10	6 7 8 9 10	7 8 9 10 11	7 8 9 10 11	7 8 9 11 12	7 8 10 11 12	8 9 10 11 13
5½ 6 6½ 7 7½	0 0 1 1 1	1 1 1 1	1 2 2 2 2	2 2 2 2 3	2 3 3 3 3 3	3 3 4 4	3 4 4 4 4	44455	4 5 5 5 6	5 5 6 6	5 6 6 7	6 6 7 7 8	6 7 7 8 8	6 7 8 8 9	7 8 8 9 9	7 8 9 9	8 9 9 10 11	8 9 10 11 11	8 9 10 11 12	9 10 11 12 13	10 11 11 12 13	10 11 12 13 14	12 12	11 12 13 14 15	11 13 14 15 16	12 13 14 15 16		13 14 15 16 18	13 15 16 17 18	14 15 16 18 19
8 8 9 9 9 10	1 1 1 1 1	1 2 2 2	2 2 2 2 2	333333	3 4 4 4 4	4 4 5 5 5	5 5 6 6	5 6 6 6 7	6 7 7 7	7 7 8 8 8	7 8 8 9	8 9 9 10 10	9 10 10 11	9 10 10 11 12	10 11 11 12 12	11 11 12 13 13	11 12 13 13 14	13 14	13 14 15 15 16	13 14 15 16 17	14 15 16 17 17	15 16 16 17 18	16 17 18	16 17 18 19 20	17 18 19 20 21	17 18 19 20 21	17 18 19 20 22	19 20 21 22 23	19 21 22 23 24	20 21 22 23 24
10½ 11 11½ 12	1 1 1 1	2 2 2	3 3 3 3	4 4 4 4	4 5 5 5	5 6 6	6 6 7 7	7788	8899	9 10 10	10 10 11 11	11 11 12 12			13 14 14 15		15 16 16 17	16 16 17 18	17 17 18 19	17 18 19 20	18 19 20 21	19 20 21 22	21 22	21 22 23 24	22 23 24 25	23 24 25 26	23 25 26 27	25 26 27 28	25 27 28 29	26 28 29 30

### BINOMIAL COEFFICIENTS FOR INTERPOLATION BY DIFFERENCES.

Part.	2d Diff.	3d Diff.	Part.	2d Diff.	3d Diff.	Part.	2d Diff.	3d Diff.	Part.	2d Diff.	3d Diff.
·01	*005	+ .003	•26	096	+ *056	*51	- ·125	+*062	·76	- *091	+ ·038
·02	*010	.006	•27	•099	*057	*52	·125	*062	·77	*089	·036
·03	*015	.010	•28	•101	*058	*53	·125	*061	·78	*086	·035
·04	*019	.013	•29	•103	*059	*54	·124	*060	·79	*083	·033
·05	*024	.015	•30	•105	*060	*55	·124	*060	·80	*080	·032
*06	*028	*018	*31	·107	*060	•56	*124	*059	*81	*077	*031
*07	*033	*021	*32	·109	*061	•57	*123	*058	*82	*074	*020
*08	*037	*024	*33	·111	*062	•58	*122	*058	*83	*071	*028
*09	*041	*026	*34	·112	*062	•59	*121	*057	*84	*067	*026
*10	*045	*028	*35	·114	*063	•60	*120	*056	*85	*064	*024
°11	*049	*031	*36	·115	*063	*61	•119	*055	*86	*060	*023
°12	*053	*033	*37	·117	*063	*62	•118	*054	*87	*057	*021
°13	*057	*035	*38	·118	*064	*63	•117	*053	*88	*053	*020
°14	*060	*037	*39	·119	*064	*64	•115	*052	*89	*049	*018
°15	*064	*039	*40	·120	*064	*65	•114	*051	*90	*045	*016
·16	*067	*041	°41	•121	*064	*66	•112	*050	*91	*041	*015
·17	*071	*043	°42	•122	*064	*67	•111	*049	*92	*037	*013
·18	*074	*045	°43	•123	*064	*68	•109	*048	*93	*033	*012
·19	*077	*046	°44	•123	*064	*69	•107	*047	*94	*028	*010
·20	*080	*048	°45	•124	*064	*70	•105	*045	*95	*024	*008
·21 ·22 ·23 ·24 ·25	*083 *086 *089 *091 *094	*049 *051 *052 *053 *055	·46 ·47 ·48 ·49 ·50	•124 •125 •125 •125 •125 •125	*064 *064 *063 *063 *063	·71 ·72 ·73 ·74 ·75	*103 *101 *099 *096 *094	*044 *043 *042 *040 *039	*96 *97 *98 *99 1*00	*019 *015 *010 *005 *000	*007 *005 *003 *002 *000

### LINKS TO BE SUBTRACTED FROM EACH CHAIN

IN AN ASCENDING OR DESCENDING LINE IN ORDER TO REDUCE IT
TO THE HORIZONTAL PROJECTION, OR PLOTFING MEASURE.

If greater accuracy is required, see explanation of Table, page xli.

PAI	RT L						PAR	T II.					
Deg.	Links.	D.	M.	Links.	D.	M.	Links.	D.	M.	Links.	D.	M.	Links
4	0.24	4°	3'	1	16°	46'	4}	23°	26'	81	28°	39'	121
5	0.38	5	44	8	17	15	41	23	48	81 81	28	57	121
6	0.55	7	1	3	17	44	45	24	9		29	15	123
7	0.75	8	7	1	18	12	5	24	30	9	29	32	13
8	0.97	9	4	1}	18	39	5}	24	50	91	29	49	131
9	1.23	9	56	15	19	5	51	25	11	91	30	7	131
10	1.52	10	44	13	19	31	54	25	31	91	30	24	133
11	1.84	11	29	2	19	57	6	25	51	10	30	41	14
12	2.19	12	11	21 21 23	20	22	61	26	10	101	30	58	143
13	2.56	12	50	21	20	46	61	26	29	101	31	14	141
14	2.97	13	28	23	21	10	63	26	49	103	31	31	144
15	3.41	14	4	3	21	34	7	27	8	11	31	47	15
16	3.87	14	39	31	21	57	71	27	26	111	32	4	151
17	4.37	15	12	34	22	20	75	27	45	114	32	20	151
18	4.89	15	44	34	22	42	73	28	3	113	32	36	151

## HEIGHT OF APPARENT ABOVE THE TRUE LEVEL. The Correction for Refraction is to be applied when necessary.

Dist. Chains.	Subtract inches.	Dist. Chains.	Subtract inches.	Dist. Chains.	Subtract inches.	Dist. Chains.	Subtract inches.	Dist. Miles.	Subtract Ft. In.
1 2 3	0.001	14	0.24	27	0.91	40	2.00	1	0 8
2	0.005 0.012	15 16	0.28	28 29	0.98 1.05	45 50	2·28 3·12	2	2 8 6 0
	0.012	17	0.32	30	1.12	55	3.76	4	6 0 10 7
4 5 6 7	0.031	18	0.40	31	1.19	60	4.50	5	16 7
6	0.042	19	0.45	32	1.27	65	5.31	6	23 11
	0.061	20	0.50	33	1.35	70	6.12	7	32 6
8	0.080	21	0.55	34	1.44	75	7.03	8	42 6
9	0·101 0·125	22	0.60 0.67	35 36	1.53 1.62	80 85	8·00 9·03	9	53 9 66 4
11	0.129	23 24	0.72	37	1.71	90	10.12	11	80 3
12	0.180	25	0.78	38	1.80	95	11.28	12	95 . 7
13	0.204	26	0.82	39	1.91	100	11.50	13	112 8

### AREAS, APOTHEMS, AND ANGLES OF POLYGONS.

Name of Polygon.	No. of Sides.	Apothem when side = 1.	Area when side = 1.	Interior Angle.	Central Angle.
Triangle	3	0.2886751	0.4330127	60° 0′	120° 0′
Square Pentagon	4 5 6	0.5 0.6881910	1.7204774	90 108	90 72
Hexagon	6	0.8660254	2.5980762	120	60
Heptagon Octagon	7	1.0382607 1.2071068	3·6339124 4·8284271	128 34 <del>7</del> 135	51 25 <del>7</del> 45
Nonagon	8 9	1.3737387	6.1818242	140	40
Decagon * Undecagon	10 11	1.5388418 1.7028436	7·6942088 9·3656399	144 147 164	36 32 <b>4</b> 3 7
Dodecagon	12	1.8660254	11.1961524	150	30

### QUARTER SQUARES.

												-	
No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
1	0	61	930	121	3660	181	8190	241	1 4520	301	2 2650	361	3 2580
2	1	62	961	122	3721	182	8281	· 242	1 4641	302	2 2801	362	3 2761
3	2	63	992	123	3782	183	8372	243	1 4762	303	2 2952	363	3 2942
4	4	64	1024	124	3844	184	8464	244	1 4884	304	2 3104	364	3 3124
5	6	65	1056	125	3906	185	8556	245	1 5006	305	2 3256	365	3 3306
6	9	66	1089	126	3969	186	8649	246	1 5129	306	2 3409	366	3 3489
7	12	67	1122	127	4032	187	8742	247	1 5252	307	2 3562	367	3 3672
8	16	68	1156	128	4096	188	8836	248	1 5376	308	2 3716	368	3 3856
9	20	69	1190	129	4160	189	8930	249	1 5500	309	2 3870	369	3 4040
10	25	70	1225	130	4225	190	9025	250	1 5625	310	2 4025	370	3 4225
11	30	71	1260	131	4290	191	9120	251	1 5750	311	2 4180	371	3 4410
12	36	72	1296	132	4356	192	9216	252	1 5876	312	2 4336	372	3 4596
13	42	73	1332	133	4422	193	9312	253	1 6002	313	2 4492	373	3 4782
14	49	74	1369	134	4489	194	9409	254	1 6129	314	2 4649	374	3 4969
15	56	75	1406	135	4556	195	9506	255	1 6256	315	2 4806	375	3 5156
16	64	76	1444	136	4624	196	9604	256	1 6384	316	2 4964	376	3 5344
17	72	77	1482	137	4692	197	9702	257	1 6512	317	2 5122	377	3 5532
18	81	78	1521	138	4761	198	9801	258	1 6641	318	2 5281	378	3 5721
19	90	79	1560	139	4830	199	9900	259	1 6770	319	2 5440	379	3 5910
20	100	80	1600	140	4900	200	1 0000	260	1 6900	320	2 5600	380	3 6100
22 23 24	110 121 132 144 156	81 82 83 84 85	1640 1681 1722 1764 1806	141 142 143 144 145	4970 5041 5112 5184 5256	201 202 203 204 205	1 0100 1 0201 1 0302 1 0404 1 0506	261 262 263 264 265	1 7030 1 7161 1 7292 1 7424 1 7556	321 322 323 324 325	2 5760 2 5921 2 6082 2 6244 2 6406	381 382 383 384 385	8 6290 3 6481 3 6672 3 6864 3 7056
26	169	86	1849	146	5329	206	1 0609	266	1 7689	326	2 6569	386	3 7249
27	182	87	1892	147	5402	207	1 0712	267	1 7822	327	2 6732	387	3 7442
28	196	88	1936	148	5476	208	1 0816	268	1 7956	328	2 6896	388	3 7636
29	210	89	1980	149	5550	209	1 0920	269	1 8090	329	2 7060	389	3 7830
30	225	90	2025	150	5625	210	1 1025	270	1 8225	330	2 7225	390	3 8025
31	240	91	2070	151	5700	211	1 1130	271	1 8360	331	2 7390	391	3 8220
32	256	92	2116	152	5776	212	1 1236	272	1 8496	332	2 7556	392	3 8416
33	272	93	2162	153	5852	213	1 1342	273	1 8632	333	2 7722	393	3 8612
34	289	94	2209	154	5929	214	1 1449	274	1 8769	334	2 7889	394	3 8809
35	306	95	2256	155	6006	215	1 1556	275	1 8906	335	2 8056	395	3 9006
36	324	96	2304	156	6084	216	1 1664	276	1 9044	336	2 8224	396	3 9204
37	342	97	2352	157	6162	217	1 1772	277	1 9182	337	2 8392	397	3 9402
38	361	98	2401	158	6241	218	1 1881	278	1 9321	338	2 8561	398	3 9601
39	380	99	2450	159	6320	219	1 1990	279	1 9460	339	2 8730	399	3 9800
40	400	100	2500	160	6400	220	1 2100	280	1 9600	340	2 8900	400	4 0000
41	420	101	2550	161	6480	221	1 2210	281	1 9740	341	2 9070	401	4 0200
42	441	102	2601	162	6561	222	1 2321	282	1 9881	342	2 9241	402	4 0401
43	462	103	2652	163	6642	223	1 2432	283	2 0022	343	2 9412	403	4 0602
44	484	104	2704	164	6724	224	1 2544	284	2 0164	344	2 9584	404	4 0804
45	506	105	2756	165	6806	225	1 2656	285	2 0306	345	2 9756	405	4 1006
46	529	106	2809	166	6889	226	1 2769	286	2 0449	346	2 9929	406	4 1209
47	552	107	2862	167	6972	227	1 2882	287	2 0592	347	3 0102	407	4 1412
48	576	108	2916	168	7056	228	1 2996	288	2 0736	348	3 0276	408	4 1616
49	600	109	2970	169	7140	229	1 3110	289	2 0880	349	3 0450	409	4 1820
50	625	110	3025	170	7225	230	1 3225	290	2 1025	350	3 0625	410	4 2025
51	650	111	3080	171	7310	231	1 3340	291	2 1170	351	3 0800	411	4 2230
52	676	112	3136	172	7396	232	1 3456	292	2 1316	352	3 0976	412	4 2436
53	702	113	3192	173	7482	233	1 3572	293	2 1462	353	3 1152	413	4 2642
54	729	114	3249	174	7569	234	1 3689	294	2 1609	354	3 1329	414	4 2849
55	756	115	3306	175	7656	235	1 3806	295	2 1756	355	3 1506	415	4 3056
56	784	116	3364	176	7744	236	1 3924	296	2 1904	356	3 1684	416	4 3264
57	812	117	3422	177	7832	237	1 4042	297	2 2052	357	3 1862	417	4 3472
58	841	118	3481	178	7921	238	1 4161	298	2 2201	358	3 2041	418	4 3681
59	870	119	3540	179	8010	239	1 4280	299	2 2350	359	3 2220	419	4 3890
60	900	120	3600	180	8100	240	1 4400	300	2 2500	360	3 2400	420	4 4100

2 E

	1	1	1		1
No. Quar.	No. Quar.	No. Quar.	No. Quar. Sq.	No. Quar.	No. Quar. Sq.
421 4 4310	481 5 7840	541 <b>7</b> 3170	601 9 0300	661 10 9230	721 12 9960
422 4 4521	482 5 8081	542 <b>7</b> 3441	602 9 0601	662 10 9561	722 13 0321
423 4 4732	483 5 8322	543 7 3712	603 9 0902	663 10 9892	723 13 0682
424 4 4944	484 5 8564	544 7 3984	604 9 1204	664 11 0224	724 13 1044
425 4 5156	485 5 8806	545 <b>7</b> 4256	605 9 1506	665 11 0556	725 13 1406
426 4 5369	486 5 9049	546 7 4529	606 9 1809	666 11 0889	726 13 1769
427 4 5582	487 5 9292	547 7 4802	607 9 2112	667 11 1222	727 13 2132
428 4 5796	488 5 9536	548 7 5076	608 9 2416	668 11 1556	728 13 2496
429 4 6010	489 5 9780	549 7 5350	609 9 2720	669 11 1890	729 13 2860
430 4 6225	490 6 0025	550 7 5625	610 9 3025	670 11 2225	730 13 3225
431 4 6440	491 6 0270	551 7 5900	611 9 3330	671 11 2560	731 13 3590
432 4 6656	492 6 0516	552 7 6176	612 9 3636	672 11 2896	732 13 3956
433 4 6872	493 6 0762	553 7 6452	613 9 3942	673 11 3232	733 13 4322
434 4 7089	494 6 1009	554 7 6729	614 9 4249	674 11 3569	734 13 4689
435 4 7306	495 6 1256	555 7 7006	615 9 4556	675 11 3906	735 13 5056
436 4 7524	496 6 1504	556 7 7284	616 9 4864	676 11 4244	736 13 5424
437 4 7742	497 6 1752	557 7 7562	617 9 5172	677 11 4582	737 13 5792
438 4 7961	498 6 2001	558 7 7841	618 9 5481	678 11 4921	738 13 6161
439 4 8180	499 6 2250	559 7 8120	619 9 5790	679 11 5260	739 13 6530
440 4 8400	500 6 2500	560 7 8400	620 9 6100	680 11 5600	740 13 6900
441 4 8620	501 6 2750	561 7 8680	621 9 6410	681 11 5940	741 13 7270
442 4 8841	502 6 3001	562 7 8961	622 9 6721	682 11 6281	742 13 7641
443 4 9062	503 6 3252	563 7 9242	623 9 7032	683 11 6622	743 13 8012
444 4 9284	504 6 3504	564 7 9524	624 9 7344	684 11 6964	744 13 8384
445 4 9506	505 6 3756	565 7 9806	625 9 7656	685 11 7306	745 13 8756
446 4 9729	506 6 4009	566 8 0089	626 9 7969	686 11 7649	746 13 9129
447 4 9952	507 6 4262	567 8 0372	627 9 8282	687 11 7992	747 13 9502
448 5 0176	508 6 4516	568 8 0656	628 9 8596	688 11 8336	748 13 9876
449 5 0400	509 6 4770	569 8 0940	629 9 8910	689 11 8680	749 14 0250
450 5 0625	510 6 5025	570 8 1225	630 9 9225	690 11 9025	750 14 0625
451 5 0850	511 6 5280	571 8 1510	631 9 9540	691 11 9370	751 14 1000
452 5 1076	512 6 5536	572 8 1796	632 9 9856	692 11 9716	752 14 1376
453 5 1302	513 6 5792	573 8 2082	633 10 0172	693 12 0062	753 14 1752
454 5 1529	514 6 6049	574 8 2369	634 10 0489	694 12 0409	754 14 2129
455 5 1756	515 6 6306	575 8 2656	635 10 0806	695 12 0756	755 14 2506
456 5 1984	516 6 6564	576 8 2944	636 10 1124	696 12 1104	756 14 2884
457 5 2212	517 6 6822	577 8 3232	637 10 1442	697 12 1452	757 14 3262
458 5 2441	518 6 7081	578 8 3521	638 10 1761	698 12 1801	758 14 3641
459 5 2670	519 6 7340	579 8 3810	639 10 2080	699 12 2150	759 14 4020
460 5 2900	520 6 7600	580 8 4100	640 10 2400	700 12 2500	760 14 4400
461 5 3130	521 6 7860	581 8 4390	641 10 2720	701 12 2850	761 14 4780
462 5 3361	522 6 8121	582 8 4681	642 10 3041	702 12 3201	762 14 5161
463 5 3592	523 6 8382	583 8 4972	643 10 3362	703 12 3552	763 14 5542
464 5 3824	524 6 8644	584 8 5264	644 10 3684	704 12 3904	764 14 5924
465 5 4056	525 6 8906	585 8 5556	645 10 4006	705 12 4256	765 14 6306
466 5 4289	526 6 9169	586 8 5849	646 10 4329	706 12 4609	766 14 6689
467 5 4522	527 6 9432	587 8 6142	647 10 4652	707 12 4962	767 14 7072
468 5 4756	528 6 9696	588 8 6436	648 10 4976	708 12 5316	768 14 7456
469 5 4990	529 6 9960	589 8 6730	649 10 5300	709 12 5670	769 14 7840
470 5 5225	530 7 0225	590 8 7025	650 10 5625	710 12 6025	770 14 8225
471 5 5460	531 7 0490	591 8 7320	651 10 5950	711 12 6380	771 14 8610
472 5 5696	532 7 0756	592 8 7616	652 10 6276	712 12 6736	772 14 8996
473 5 5932	533 7 1022	593 8 7912	653 10 6602	713 12 7092	773 14 9382
474 5 6169	534 7 1289	594 8 8209	654 10 6929	714 12 7449	774 14 9769
475 5 6406	535 7 1556	595 8 8506	655 10 7256	715 12 7806	775 15 0156
476 5 6644	536 7 1824	596 8 8804	656 10 7584	716 12 8164	776 15 0544
477 5 6882	537 7 2092	597 8 9102	657 10 7912	717 12 8522	777 15 0932
478 5 7121	538 7 2361	598 8 9401	658 10 8241	718 12 8881	778 15 1321
479 5 7360	539 7 2630	599 8 9700	659 10 8570	719 12 9240	779 15 1710
480 5 7600	540 7 2900	600 9 0000	660 10 8900	720 12 9600	780 15 2100

No. Quar.	No. Quar.	No. Quar.	No. Quar.	No. Quar. Sq.	No. Quar.
781 15 2490	841 17 6820	901 20 2950	961 23 0880	1021 26 0610	1081 29 2140
782 15 2881	842 17 7241	902 20 3401	962 23 1361	1022 26 1121	1082 29 2681
783 15 3272	843 17 7662	903 20 3852	963 23 1842	1023 26 1632	1083 29 3222
784 15 3664	844 17 8084	904 20 4304	964 23 2324	1024 26 2144	1084 29 3764
785 15 4056	845 17 8506	905 20 4756	965 23 2806	1025 26 2656	1085 29 4306
786 15 4449	846 17 8929	906 20 5209	966 23 3289	1026 26 3169	1086 29 4849
787 15 4842	847 17 9352	907 20 5662	967 23 3772	1027 26 3682	1087 29 5392
788 15 5236	848 17 9776	908 20 6116	968 23 4256	1028 26 4196	1088 29 5936
789 15 5630	849 18 0200	909 20 6570	969 23 4740	1029 26 4710	1089 29 6480
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791 15 6420	851 18 1050	911 20 7480	971 23 5710	1031 26 5740	1091 29 7570
792 15 6816	852 18 1476	912 20 7936	972 23 6196	1032 26 6256	1092 29 8116
793 15 7212	853 18 1902	913 20 8392	973 23 6682	1033 26 6772	1093 29 8662
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813 16 5242	873 19 0532	933 21 7622	993 24 6512	1053 27 7202	1113 30 9692
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835 17 4306	895 20 0256	955 22 8006	1015 25 7556	1075 28 8906	1135 32 2056
836 17 4724	896 20 0704	956 22 8484	1016 25 8064	1076 28 9444	1136 32 2624
837 17 5142	897 20 1152	957 22 8962	1017 25 8572	1077 28 9982	1137 32 3192
838 17 5561	898 20 1601	958 22 9441	1018 25 9081	1078 29 0521	1138 32 3761
839 17 5980	899 20 2050	959 22 9920	1019 25 9590	1079 29 1060	1139 32 4330
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No. Quar. Sq.	No. Quar.	No. Quar.	No. Quar.	No. Quar. Sq.	No. Quar.
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1143 32 6612	1203 36 1802	1263 39 8792	1323 43 7582	1383 47 8172	1443 52 0562
1144 32 7184	1204 36 2404	1264 39 9424	1324 43 8244	1384 47 8864	1444 52 1284
1145 32 7756	1205 36 3006	1265 40 0056	1325 43 8906	1385 47 9556	1445 52 2006
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1153 33 2352	1213 36 7842	1273 40 5132	1333 44 4222	1393 48 5112	1453 52 7802
1154 33 2929	1214 36 8449	1274 40 5769	1334 44 4889	1394 48 5809	1454 52 8529
1155 33 3506	1215 36 9056	1275 40 6406	1335 44 5556	1395 48 6506	1455 52 9256
1156 33 4084	1216 86 9664	1276 40 7044	1336 44 6224	1396 48 7204	1456 52 9984
1157 33 4662	1217 37 0272	1277 40 7682	1337 44 6892	1397 48 7902	1457 53 0712
1158 33 5241	1218 37 0881	1278 40 8321	1338 44 7561	1398 48 8601	1458 53 1441
1159 33 5820	1219 37 1490	1279 40 8960	1339 44 8230	1399 48 9300	1459 53 2170
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1164 33 8724	1224 37 4544	1284 41 2164	1344 45 1584	1404 49 2804	1464 53 5824
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1183 34 9872	1243 38 6262	1303 42 4452	1363 46 4442		1483 54 9822
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No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
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1512 1513 1514	57 0780 57 1536 57 2292 57 3049 57 3806	1571 1572 1573 1574 1575	61 7010 61 7796 61 8582 61 9369 62 0156	1631 1632 1633 1634 1635	66 5040 66 5856 66 6672 66 7489 66 8306	1691 1692 1693 1694 1695	71 4870 71 5716 71 6562 71 7409 71 8256	1751 1752 1753 1754 1755	76 6500 76 7376 76 8252 76 9129 77 0006	1811 1812 1813 1814 1815	81 9930 82 0836 82 1742 82 2649 82 3556
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No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
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1863	86 7692	1923	92 4482	1983	98 3072	2043	104 3462	2103	110 5652	2163	116 9642
1864	86 8624	1924	92 5444	1984	98 4064	2044	104 4484	2104	110 6704	2164	117 0724
1865	86 9556	1925	92 6406	1985	98 5056	2045	104 5506	2105	110 7756	2165	117 1806
1866	87 0489	1926	92 7369	1986	98 6049	2046	104 6529	2106	110 8809	2166	117 2889
1867	87 1422	1927	92 8332	1987	98 7042	2047	104 7552	2107	110 9862	2167	117 3972
1868	87 2356	1928	92 9296	1988	98 8036	2048	104 8576	2108	111 0916	2168	117 5056
1869	87 3290	1929	93 0260	1989	98 9030	2049	104 9600	2109	111 1970	2169	117 6140
1870	87 4225	1930	93 1225	1990	99 0025	2050	105 0625	2110	111 3025	2170	117 7225
1871	87 5160	1931	93 2190	1991	99 1020	2051	105 1650	2111	111 4080	2171	117 8310
1872	87 6096	1932	93 3156	1992	99 2016	2052	105 2676	2112	111 5136	2172	117 9396
1873	87 7032	1933	93 4122	1993	99 3012	2053	105 3702	2113	111 6192	2173	118 0482
1874	87 7969	1934	93 5089	1994	99 4009	2054	105 4729	2114	111 7249	2174	118 1569
1875	87 8906	1935	93 6056	1995	99 5006	2055	105 5756	2115	111 8306	2175	118 2656
1876	87 9844	1936	93 7024	1996	99 6004	2056	105 6784	2116	111 9364	2176	118 3744
1877	88 0782	1937	93 7992	1997	99 7002	2057	105 7812	2117	112 0422	2177	118 4832
1878	88 1721	1938	93 8961	1998	99 8001	2058	105 8841	2118	112 1481	2178	118 5921
1879	88 2660	1939	93 9930	1999	99 9000	2059	105 9870	2119	112 2540	2179	118 7010
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1881	88 4540	1941	94 1870	2001	100 1000	2061	106 1930	2121	112 4660	2181	118 9190
1882	88 5481	1942	94 2841	2002	100 2001	2062	106 2961	2122	112 5721	2182	119 0281
1883	88 6422	1943	94 3812	2003	100 3002	2063	106 3992	2123	112 6782	2183	119 1372
1884	88 7364	1944	94 4784	2004	100 4004	2064	106 5024	2124	112 7844	2184	119 2464
1885	88 8306	1945	94 5756	2005	100 5006	2065	106 6056	2125	112 8906	2185	119 3556
1886	88 9249	1946	94 6729	2006	100 6009	2066	106 7089	2126	112 9969	2186	119 4649
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1895	89 7756	1955	95 5506	2015	101 5056	2075	107 6406	2135	113 9556	2195	120 4506
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1903	90 5352	1963	96 3342	2023	102 3132	2083	108 4722	2143	114 8112	2203	121 3302
1904	90 6304	1964	96 4324	2024	102 4144	2084	108 5764	2144	114 9184	2204	121 4404
1905	90 7256	1965	96 5306	2025	102 5156	2085	108 6806	2145	115 0256	2205	121 5506
1906	90 8209	1966	96 6289	2026	102 6169	2086	108 7849	2146	115 1329	2206	121 6609
1907	90 9162	1967	96 7272	2027	102 7182	2087	108 8892	2147	115 2402	2207	121 7712
1908	91 0116	1968	96 8256	2028	102 8196	2088	108 9936	2148	115 3476	2208	121 8816
1909	91 1070	1969	96 9240	2029	102 9210	2089	109 0980	2149	115 4550	2209	121 9920
1910	91 2025	1970	97 0225	2030	103 0225	2090	109 2025	2150	115 5625	2210	122 1025
1911	91 2980	1971	97 1210	2031	103 1240	2091	109 3070	2151	115 6700	2211	122 2130
1912	91 3936	1972	97 2196	2032	103 2256	2092	109 4116	2152	115 7776	2212	122 3236
1913	91 4892	1973	97 3182	2033	103 3272	2093	109 5162	2153	115 8852	2213	122 4342
1914	91 5849	1974	97 4169	2034	103 4289	2094	109 6209	2154	115 9929	2214	122 5449
1915	91 6806	1975	97 5156	2035	103 5306	2095	109 7256	2155	116 1006	2215	122 6556
1916	91 7764	1976	97 6144	2036	103 6324	2096	109 8304	2156	116 2084	2216	122 7664
1917	91 8722	1977	97 7132	2037	103 7342	2097	109 9352	2157	116 3162	2217	122 8772
1918	91 9681	1978	97 8121	2038	103 8361	2098	110 0401	2158	116 4241	2218	122 9881
1919	92 0640	1979	97 9110	2039	103 9380	2099	110 1450	2159	116 5320	2219	123 0990
1920	92 1600	1980	98 0100	2040	104 0400	2100	110 2500	2160	116 6400	2220	123 2100

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
2221	123 3210	2281	130 0740	2341	137 0070	2401	144 1200	2461	151 4130	2521	158 8860
2222	123 4321	2282	130 1881	2342	137 1241	2402	144 2401	2462	151 5361	2522	159 0121
2223	123 5432	2283	130 3022	2343	137 2412	2403	144 3602	2463	151 6592	2523	159 1382
2224	123 6544	2284	130 4164	2344	137 3584	2404	144 4804	2464	151 7824	2524	159 2644
2225	123 7656	2285	130 5306	2345	137 4756	2405	144 6006	2465	151 9056	2525	159 3906
2226	123 8769	2286	130 6449	2346	137 5929	2406	144 7209	2466	152 0289	2526	159 5169
2227	123 9882	2287	130 7592	2347	137 7102	2407	144 8412	2467	152 1522	2527	159 6432
2228	124 0996	2288	130 8736	2348	137 8276	2408	144 9616	2468	152 2756	2528	159 7696
2229	124 2110	2289	130 9880	2349	137 9450	2409	145 0820	2469	152 3990	2529	159 8960
2230	124 3225	2290	131 1025	2350	138 0625	2410	145 2025	2470	152 5225	2530	160 0225
2231	124 4340	2291	131 2170	2351	138 1800	2411	145 3230	2471	152 6460	2531	160 1490
2232	124 5456	2292	131 3316	2352	138 2976	2412	145 4436	2472	152 7696	2532	160 2756
2233	124 6572	2293	131 4462	2358	138 4152	2413	145 5642	2473	152 8932	2533	160 4022
2234	124 7689	2294	131 5609	2354	138 5329	2414	145 6849	2474	153 0169	2534	160 5289
2235	124 8806	2295	131 6756	2355	138 6506	2415	145 8056	2475	153 1406	2535	160 6556
2236	124 9924	2296	131 7904	2356	138 7684	2416	145 9264	2476	153 2644	2536	160 7824
2237	125 1042	2297	131 9052	2357	138 8862	2417	146 0472	2477	153 3882	2537	160 9092
2238	125 2161	2298	132 0201	2358	139 0041	2418	146 1681	2478	153 5121	2538	161 0361
2239	125 3280	2299	132 1350	2359	139 1220	2419	146 2890	2479	153 6360	2539	161 1630
2240	125 4400	2300	132 2500	2360	139 2400	2420	146 4100	2480	153 7600	2540	161 2900
2241	125 5520	2301	132 3650	2361	139 3580	2421	146 5310	2481	153 8840	2541	161 4170
2242	125 6641	2302	132 4801	2362	139 4761	2422	146 6521	2482	154 0081	2542	161 5441
2243	125 7762	2303	132 5952	2363	139 5942	2423	146 7732	2483	154 1322	2543	161 6712
2244	125 8884	2304	132 7104	2364	139 7124	2424	146 8944	2484	154 2564	2544	161 7984
2245	126 0006	2305	132 8256	2365	139 8306	2425	147 0156	2485	154 3806	2545	161 9256
2246	126 1129	2306	132 9409	2366	139 9489	2426	147 1369	2486	154 5049	2546	162 0529
2247	126 2252	2307	133 0562	2367	140 0672	2427	147 2582	2487	154 6292	2547	162 1802
2248	126 3376	2308	133 1716	2368	140 1856	2428	147 3796	2488	154 7536	2548	162 3076
2249	126 4500	2309	133 2870	2369	140 3040	2429	147 5010	2489	154 8780	2549	162 4350
2250	126 5625	2310	133 4025	2370	140 4225	2430	147 6225	2490	155 0025	2550	162 5625
2251	126 6750	2311	133 5180	2371	140 5410	2431	147 7440	2491	155 1270	2551	162 6900
2252	126 7876	2312	133 6336	2372	140 6596	2432	147 8656	2492	155 2516	2552	162 8176
2253	126 9002	2313	133 7492	2373	140 7782	2433	147 9872	2493	155 3762	2553	162 9452
2254	127 0129	2314	133 8649	2374	140 8969	2434	148 1089	2494	155 5009	2554	163 0729
2255	127 1256	2315	133 9806	2375	141 0156	2435	148 2306	2495	155 6256	2555	163 2006
2256	127 2384	2316	134 0964	2376	141 1344	2436	148 3524	2496	155 7504	2556	163 3284
2257	127 3512	2317	134 2122	2377	141 2532	2437	148 4742	2497	155 8752	2557	163 4562
2258	127 4641	2318	134 3281	2378	141 3721	2438	148 5961	2498	156 0001	2558	163 5841
2259	127 5770	2319	134 4440	2379	141 4910	2439	148 7180	2499	156 1250	2559	163 7120
2260	127 6900	2320	134 5600	2380	141 6100	2440	148 8400	2500	156 2500	2560	163 8400
2261	127 8030	2321	134 6760	2381	141 7290	2441	148 9620	2501	156 3750	2561	163 9680
2262	127 9161	2322	134 7921	2382	141 8481	2442	149 0841	2502	156 5001	2562	164 0961
2263	128 0292	2323	134 9082	2383	141 9672	2443	149 2062	2503	156 6252	2563	164 2242
2264	128 1424	2324	135 0244	2384	142 0864	2444	149 3284	2504	156 7504	2564	164 3524
2265	128 2556	2325	135 1406	2385	142 2056	2445	149 4506	2505	156 8756	2565	164 4806
2266	128 3689	2326	135 2569	2386	142 3249	2446	149 5729	2506	157 0009	2566	164 6089
2267	128 4822	2327	135 3732	2387	142 4442	2447	149 6952	2507	157 1262	2567	164 7372
2268	128 5956	2328	135 4896	2388	142 5636	2448	149 8176	2508	157 2516	2568	164 8656
2269	128 7090	2329	135 6060	2389	142 6830	2449	149 9400	2509	157 3770	2569	164 9940
2270	128 8225	2330	135 7225	2390	142 8025	2450	150 0625	2510	157 5025	2570	165 1225
2271	128 9360	2331	135 8390	2391	142 9220	2451	150 1850	2511	157 6280	2571	165 2510
2272	129 0496	2332	135 9556	2392	143 0416	2452	150 3076	2512	157 7536	2572	165 3796
2273	129 1632	2333	136 0722	2393	143 1612	2453	150 4302	2513	157 8792	2573	165 5082
2274	129 2769	2334	136 1889	2394	143 2809	2454	150 5529	2514	158 0049	2574	165 6369
2275	129 3906	2335	136 3056	2395	143 4006	2455	150 6756	2515	158 1306	2575	165 7656
2276	129 5044	2336	136 4224	2396	143 5204	2456	150 7984	2516	158 2564	2576	165 8944
2277	129 6182	2337	136 5392	2397	143 6402	2457	150 9212	2517	158 3822	2577	166 0232
2278	129 7321	2338	136 6561	2398	143 7601	2458	151 0441	2518	158 5081	2578	166 1521
2279	129 8460	2339	136 7730	2399	143 8800	2459	151 1670	2519	158 6340	2579	166 2810
2280	129 9600	2340	136 8900	2400	144 0000	2460	151 2900	2520	158 7600	2580	166 4100

No.	Quar.	No.	Quar. Sq.								
2581	166 5390	2641	174 3720	2701	182 3850	2761	190 5780	2821	198 9510	2881	207 5040
2582	166 6681	2642	174 5041	2702	182 5201	2762	190 7161	2822	199 0921	2882	207 6481
2583	166 7972	2643	174 6362	2703	182 6552	2763	190 8542	2823	199 2332	2883	207 7922
2584	166 9264	2644	174 7684	2704	182 7904	2764	190 9924	2824	199 3744	2884	207 9364
2585	167 0556	2645	174 9006	2705	182 9256	2765	191 1306	2825	199 5156	2885	208 0806
2586	167 1849	2646	175 0329	2706	183 0609	2766	191 2689	2826	199 6569	2886	208 2249
2587	167 3142	2647	175 1652	2707	183 1962	2767	191 4072	2827	199 7982	2887	208 3692
2588	167 4436	2648	175 2976	2708	183 3316	2768	191 5456	2828	199 9396	2888	208 5136
2589	167 5730	2649	175 4300	2709	183 4670	2769	191 6840	2829	200 0810	2889	208 6580
2590	167 7025	2650	175 5625	2710	183 6025	2770	191 8225	2830	200 2225	2890	208 8025
2591	167 8320	2651	175 6950	2711	183 7380	2771	191 9610	2831	200 3640	2891	208 9470
2592	167 9616	2652	175 8276	2712	183 8736	2772	192 0996	2832	200 5056	2892	209 0916
2593	168 0912	2653	175 9602	2713	184 0092	2773	192 2382	2833	200 6472	2893	209 2362
2594	168 2209	2654	176 0929	2714	184 1449	2774	192 3769	2834	200 7889	2894	209 3809
2595	168 3506	2655	176 2256	2715	184 2806	2775	192 5156	2835	200 9306	2895	209 5256
2596	168 4804	2656	176 3584	2716	184 4164	2776	192 6544	2836	201 0724	2896	209 6704
2597	168 6102	2657	176 4912	2717	184 5522	2777	192 7932	2837	201 2142	2897	209 8152
2598	168 7401	2658	176 6241	2718	184 6881	2778	192 9321	2838	201 3561	2898	209 9601
2599	168 8700	2659	176 7570	2719	184 8240	2779	193 0710	2839	201 4980	2899	210 1050
2600	169 0000	2660	176 8900	2720	184 9600	2780	193 2100	2840	201 6400	2900	210 2500
2601	169 1300	2661	177 0230	2721	185 0960	2781	193 3490	2841	201 7820	2901	210 3950
2602	169 2601	2662	177 1561	2722	185 2321	2782	193 4881	2842	201 9241	2902	210 5401
2603	169 3902	2663	177 2892	2723	185 3682	2783	193 6272	2843	202 0662	2903	210 6852
2604	169 5204	2664	177 4224	2724	185 5044	2784	193 7664	2844	202 2084	2904	210 8304
2605	169 6506	2665	177 5556	2725	185 6406	2785	193 9056	2845	202 3506	2905	210 9756
2606	169 7809	2666	177 6889	2726	185 7769	2786	194 0449	2846	202 4929	2906	211 1209
2607	169 9112	2667	177 8222	2727	185 9132	2787	194 1842	2847	202 6352	2907	211 2662
2608	170 0416	2668	177 9556	2728	186 0496	2788	194 3236	2848	202 7776	2908	211 4116
2609	170 1720	2669	178 0890	2729	186 1860	2789	194 4630	2849	202 9200	2909	211 5570
2610	170 3025	2670	178 2225	2730	186 3225	2790	194 6025	2850	203 0625	2910	211 7025
2611	170 4330	2671	178 3560	2731	186 4590	2791	194 7420	2851	203 2050	2911	211 8480
2612	170 5636	2672	178 4896	2732	186 5956	2792	194 8816	2852	203 3476	2912	211 9936
2613	170 6942	2673	178 6232	2733	186 7322	2793	195 0212	2853	203 4902	2913	212 1392
2614	170 8249	2674	178 7569	2734	186 8689	2794	195 1609	2854	203 6329	2914	212 2849
2615	170 9556	2675	178 8906	2735	187 0056	2795	195 3006	2855	203 7756	2915	212 4306
2616	171 0864	2676	179 0244	2736	187 1424	2796	195 4404	2856	203 9184	2916	212 5764
2617	171 2172	2677	179 1582	2737	187 2792	2797	195 5802	2857	204 0612	2917	212 7222
2618	171 3481	2678	179 2921	2738	187 4161	2798	195 7201	2858	204 2041	2918	212 8681
2619	171 4790	2679	179 4260	2739	187 5530	2799	195 8600	2859	204 3470	2919	213 0140
2620	171 6100	2680	179 5600	2740	187 6900	2800	196 0000	2860	204 4900	2920	213 1600
2621	171 7410	2681	179 6940	2741	187 8270	2801	196 1400	2861	204 6330	2921	213 3060
2622	171 8721	2682	179 8281	2742	187 9641	2802	196 2801	2862	204 7761	2922	213 4521
2623	172 0032	2683	179 9622	2743	188 1012	2803	196 4202	2863	204 9192	2923	213 5982
2624	172 1344	2684	180 0964	2744	188 2384	2804	196 5604	2864	205 0624	2924	213 7444
2625	172 2656	2685	180 2306	2745	188 3756	2805	196 7006	2865	205 2056	2925	213 8906
2626	172 3969	2686	180 3649	2746	188 5129	2806	196 8409	2866	205 3489	2926	214 0369
2627	172 5282	2687	180 4992	2747	188 6502	2807	196 9812	2867	205 4922	2927	214 1832
2628	172 6596	2688	180 6336	2748	188 7876	2808	197 1216	2868	205 6356	2928	214 3296
2629	172 7910	2689	180 7680	2749	188 9250	2809	197 2620	2869	205 7790	2929	214 4760
2630	172 9225	2690	180 9025	2750	189 0625	2810	197 4025	2870	205 9225	2930	214 6225
2631	173 0540	2691	181 0370	2751	189 2000	2811	197 5430	2871	206 0660	2931	214 7690
2632	173 1856	2692	181 1716	2752	189 3376	2812	197 6836	2872	206 2096	2932	214 9156
2633	173 3172	2693	181 3062	2753	189 4752	2813	197 8242	2873	206 3532	2933	215 0622
2634	173 4489	2694	181 4409	2754	189 6129	2814	197 9649	2874	206 4969	2934	215 2089
2635	173 5806	2695	181 5756	2755	189 7506	2815	198 1056	2875	206 6406	2935	215 3556
2636	173 7124	2696	181 7104	2756	189 8884	2816	198 2464	2876	206 7844	2936	215 5024
2637	173 8442	2697	181 8452	2757	190 0262	2817	198 3872	2877	206 9282	2937	215 6492
2638	173 9761	2698	181 9801	2758	190 1641	2818	198 5281	2878	207 0721	2938	215 7961
2639	174 1080	2699	182 1150	2759	190 3020	2819	198 6690	2879	207 2160	2939	215 9430
2640	174 2400	2700	182 2500	2760	190 4400	2820	198 8100	2880	207 3600	2940	216 0900

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
2941 2942 2943 2944 2945	216 2370 216 3841 216 5312 216 6784 216 8256	3001 3002 3003 3004 3005	225 1500 225 3001 225 4502 225 6004 225 7506	3061 3062 3063 3064 3065	284 2430 234 3961 234 5492 234 7024 234 8556	3121 3122 3123 3124 3125	243 5160 243 6721 243 8282 243 9844 244 1406	3181 3182 3183 3184 3185	252 9690 253 1281 253 2872 253 4464 253 6056	3241 3242 3243 3244 3244 3245	262 6020 262 7641 262 9262 263 0884 263 2506
2946	216 9729	3006	225 9009	3066	235 0089	3126	244 2969	3186	253 7649	3246	263 4129
2947	217 1202	3007	226 0512	3067	235 1622	3127	244 4532	3187	253 9242	3247	263 5752
2948	217 2676	3008	226 2016	3068	235 3156	3128	244 6096	3188	254 0836	3248	263 7376
2949	217 4150	3009	226 3520	3069	235 4690	3129	244 7660	3189	254 2430	3249	263 9000
2950	217 5625	3010	226 5025	3070	235 6225	3130	244 9225	3190	254 4025	3250	264 0625
2951	217 7100	3011	226 6530	3071	235 7760	3131	245 0790	3191	254 5620	3251	264 2250
2952	217 8576	3012	226 8036	3072	235 9296	3132	245 2356	3192	254 7216	3252	264 3876
2953	218 0052	3013	226 9542	3073	236 0832	3133	245 3922	3193	254 8812	3253	264 5502
2954	218 1529	3014	227 1049	3074	236 2369	3134	245 5489	3194	255 0409	3254	264 7129
2955	218 3006	3015	227 2556	3075	236 3906	3135	245 7056	3195	255 2006	3255	264 8756
2956	218 4484	3016	227 4064	3076	236 5444	3136	245 8624	3196	255 3604	3256	265 0384
2957	218 5962	3017	227 5572	3077	236 6982	3137	246 0192	3197	255 5202	3257	265 2012
2958	218 7441	3018	227 7081	3078	236 8521	3138	246 1761	3198	255 6801	3258	265 3641
2959	218 8920	3019	227 8590	3079	237 0060	3139	246 3330	3199	255 8400	3259	265 5270
2960	219 0400	3020	228 0100	3080	237 1600	3140	246 4900	3200	256 0000	3260	265 6900
2961	219 1880	3021	228 1610	3081	237 3140	3141	246 6470	3201	256 1600	3261	265 8530
2962	219 3361	3022	228 3121	3082	237 4681	3142	246 8041	3202	256 3201	3262	266 0161
2963	219 4842	3023	228 4632	3083	237 6222	3143	246 9612	3203	256 4802	3263	266 1792
2964	219 6324	3024	228 6144	3084	237 7764	3144	247 1184	3204	256 6404	3264	266 3424
2965	219 7806	3025	228 7656	3085	237 9306	3145	247 2756	3205	256 8006	3265	266 5056
2966	219 9289	3026	228 9169	3086	238 0849	3146	247 4329	3206	256 9609	3266	266 6689
2967	220 0772	3027	229 0682	3087	238 2392	3147	247 5902	3207	257 1212	3267	266 8322
2968	220 2256	3028	229 2196	3088	238 3936	3148	247 7476	3208	257 2816	3268	266 9956
2969	220 3740	3029	229 3710	3089	238 5480	3149	247 9050	3209	257 4420	3269	267 1590
2970	220 5225	3030	229 5225	3090	238 7025	3150	248 0625	3210	257 6025	3270	267 3225
2971	220 6710	3031	229 6740	3091	238 8570	3151	248 2200	3211	257 7630	3271	267 4860
2972	220 8196	3032	229 8256	3092	239 0116	3152	248 3776	3212	257 9236	3272	267 6496
2973	220 9682	3033	229 9772	3093	239 1662	3153	248 5352	3213	258 0842	3273	267 8132
2974	221 1169	3034	230 1289	3094	239 3209	3154	248 6929	3214	258 2449	3274	267 9769
2975	221 2656	3035	230 2806	3095	239 4756	3155	248 8506	3215	258 4056	3275	268 1406
2976	221 4144	3036	230 4324	3096	239 6304	3156	249 0084	3216	258 5664	3276	268 3044
2977	221 5632	3037	230 5842	3097	239 7852	3157	249 1662	3217	258 7272	3277	268 4682
2978	221 7121	3038	230 7361	3098	239 9401	3158	249 3241	3218	258 8881	3278	268 6321
2979	221 8610	3039	230 8880	3099	240 0950	3159	249 4820	3219	259 0490	3279	268 7960
2980	222 0100	3040	231 0400	3100	240 2500	3160	249 6400	3220	259 2100	3280	268 9600
2981	222 1590	3041	231 1920	3101	240 4050	3161	249 7980	3221	259 3710	3281	269 1240
2982	222 3081	3042	231 3441	3102	240 5601	3162	249 9561	3222	259 5321	3282	269 2881
2983	222 4572	3043	231 4962	3103	240 7152	3163	250 1142	3223	259 6932	3283	269 4522
2984	222 6064	3044	231 6484	3104	240 8704	3164	250 2724	3224	259 8544	3284	269 6164
2985	222 7556	3045	231 8006	3105	241 0256	3165	250 4306	3225	260 0156	3285	269 7806
2986	222 9049	3046	281 9529	3106	241 1809	3166	250 5889	3226	260 1769	3286	269 9449
2987	223 0542	3047	282 1052	3107	241 3362	3167	250 7472	3227	260 3382	3287	270 1092
2988	223 2036	3048	282 2576	3108	241 4916	3168	250 9056	3228	260 4996	3283	270 2736
2989	223 3530	3049	282 4100	3109	241 6470	3169	251 0640	3229	260 6610	3289	270 4380
2990	223 5025	3050	282 5625	3110	241 8025	3170	251 2225	3230	260 8225	3290	270 6025
2991	223 6520	3051	232 7150	3111	241 9580	3171	251 3810	3231	260 9840	3291	270 7670
2992	223 8016	3052	232 8676	3112	242 1136	3172	251 5396	3232	261 1456	3292	270 9316
2993	223 9512	3053	233 0202	3113	242 2692	3173	251 6982	3233	261 3072	3293	271 0962
2994	224 1009	3054	233 1729	3114	242 4249	3174	251 8569	3234	261 4689	3294	271 2609
2995	224 2506	3055	233 3256	3115	242 5806	3175	252 0156	3235	261 6306	3295	271 4256
2996	224 4004	3056	233 4784	3116	242 7364	3176	252 1744	3236	261 7924	3296	271 5904
2997	224 5502	3057	233 6312	3117	242 8922	3177	252 3332	3237	261 9542	3297	271 7552
2998	224 7001	3058	233 7841	3118	243 0481	3178	252 4921	3238	262 1161	3298	271 9201
2999	224 8500	3059	233 9370	3119	243 2040	3179	252 6510	3239	262 2780	3299	272 0850
3000	225 0000	3060	234 0900	3120	243 3600	3180	252 8100	3240	262 4400	3300	272 2500

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
3301	272 4150	3361	282 4080	3421	292 5810	3481	302 9340	3541	313 4670	3601	324 1800
3302	272 5801	3362	282 5761	3422	292 7521	3482	303 1081	3542	313 6441	3602	324 3601
3303	272 7452	3363	282 7442	3423	292 9232	3483	303 2822	3543	313 8212	3603	324 5402
3304	272 9104	3364	282 9124	3424	293 0944	3484	303 4564	3544	313 9984	3604	324 7204
3305	273 0756	3365	283 0806	3425	293 2656	3485	303 6306	3545	314 1756	3605	324 9006
3306	273 2409	3366	283 2489	3426	293 4369	3486	303 8049	3546	314 3529	3606	325 0809
3307	273 4062	3367	283 4172	3427	293 6082	3487	303 9792	3547	314 5302	3607	325 2612
3308	273 5716	3368	283 5856	3428	293 7796	3488	304 1536	3548	314 7076	3608	325 4416
3309	273 7370	3369	283 7540	3429	293 9510	3489	304 3280	3549	314 8850	3609	325 6220
3310	273 9025	3370	283 9225	3430	294 1225	3490	304 5025	3550	315 0625	3610	325 8025
3311	274 0680	3371	284 0910	3431	294 2940	3491	304 6770	3551	315 2400	3611	325 9830
3312	274 2336	3372	284 2596	3432	294 4656	3492	304 8516	3552	315 4176	3612	326 1636
3313	274 3992	3373	284 4282	3433	294 6372	3493	305 0262	3553	315 5952	3613	326 3442
3314	274 5649	3374	284 5969	3434	294 8089	3494	305 2009	3554	315 7729	3614	326 5249
3315	274 7306	3375	284 7656	3435	294 9806	3495	305 3756	3555	315 9506	3615	326 7056
3316	274 8964	3376	284 9344	3436	295 1524	3496	305 5504	3556	316 1284	3616	326 8864
3317	275 0622	3377	285 1032	3437	295 3242	3497	305 7252	3557	316 3062	3617	327 0672
3318	275 2281	3378	285 2721	3438	295 4961	3498	305 9001	3558	316 4841	3618	327 2481
3319	275 3940	3379	285 4410	3439	295 6680	3499	306 0750	3559	316 6620	3619	327 4290
3320	275 5600	3380	285 6100	3440	295 8400	3500	306 2500	3560	316 8400	3620	327 6100
3321	275 7260	3381	285 7790	3441	296 0120	3501	306 4250	3561	317 0180	3621	327 7910
3322	275 8921	3382	285 9481	3442	296 1841	3502	306 6001	3562	317 1961	3622	327 9721
3323	276 0582	3383	286 1172	3443	296 3562	3503	306 7752	3563	317 3742	3623	328 1532
3324	276 2244	3384	286 2864	3444	296 5284	3504	306 9504	3564	317 5524	3624	328 3344
3325	276 3906	3385	286 4556	3445	296 7006	3505	307 1256	3565	317 7306	3625	328 5156
3326	276 5569	3386	286 6249	3446	296 8729	3506	307 3009	3566	317 9089	3626	328 6969
3327	276 7232	3387	286 7942	3447	297 0452	3507	307 4762	3567	318 0872	3627	328 8782
3328	276 8896	3388	286 9636	3448	297 2176	3508	307 6516	3568	318 2656	3628	329 0596
3329	277 0560	3389	287 1330	3449	297 3900	3509	307 8270	3569	318 4440	3629	329 2410
3330	277 2225	3390	287 3025	3450	297 5625	3510	308 0025	3570	318 6225	3630	329 4225
3331	277 3890	3391	287 4720	3451	297 7350	3511	308 1780	3571	318 8010	3631	329 6040
3332	277 5556	3392	287 6416	3452	297 9076	3512	308 3536	3572	318 9796	3632	329 7856
3333	277 7222	3393	287 8112	3453	298 0802	3513	308 5292	3573	319 1582	3633	329 9672
3334	277 8889	3394	287 9809	3454	298 2529	3514	308 7049	3574	319 3369	3634	330 1489
3335	278 0556	3395	288 1506	3455	298 4256	3515	308 8806	3575	319 5156	3635	330 3306
3336	278 2224	3396	288 3204	3456	298 5984	3516	309 0564	3576	319 6944	3636	330 5124
3337	278 3892	3397	288 4902	3457	298 7712	3517	309 2322	3577	319 8732	3637	330 6942
3338	278 5561	3398	288 6601	3458	298 9441	3518	309 4081	3578	320 0521	3638	330 8761
3339	278 7230	3399	288 8300	3459	299 1170	3519	309 5840	3579	320 2310	3639	331 0580
3340	278 8900	3400	289 0000	3460	299 2900	3520	309 7600	3580	320 4100	3640	331 2400
3341	279 0570	3401	289 1700	3461	299 4630	3521	309 9360	3581	320 5890	3641	331 4220
3342	279 2241	3402	289 3401	3462	299 6361	3522	310 1121	3582	320 7681	3642	331 6041
3343	279 3912	3403	289 5102	3463	299 8092	3523	310 2882	3583	320 9472	3643	331 7862
3344	279 5584	3404	289 6804	3464	299 9824	3524	310 4644	3584	321 1264	3644	331 9684
3345	279 7256	3405	289 8506	3465	300 1556	3525	310 6406	3585	321 3056	3645	332 1506
3346	279 8929	3406	290 0209	3466	300 3289	3526	310 8169	3586	321 4849	3646	332 3329
3347	280 0602	3407	290 1912	3467	300 5022	3527	310 9932	3587	321 6642	3647	332 5152
3348	280 2276	3408	290 3616	3468	300 6756	3528	311 1696	3588	321 8436	3648	332 6976
3349	280 3950	3409	290 5320	3469	300 8490	3529	311 3460	3589	322 0230	3649	332 8800
3350	280 5625	3410	290 7025	3470	301 0225	3530	311 5225	3590	322 2025	3650	333 0625
3351	280 7300	3411	290 8730	3471	301 1960	3531	311 6990	3591	322 3820	3651	333 2450
3352	280 8976	3412	291 0436	3472	301 3696	3532	311 8756	3592	322 5616	3652	333 4276
3353	281 0652	3413	291 2142	3473	301 5432	3533	312 0522	3593	322 7412	3653	333 6102
3354	281 2329	3414	291 3849	3474	301 7169	3534	312 2289	3594	322 9209	3654	333 7929
3355	281 4006	3415	291 5556	3475	301 8906	3535	312 4056	3595	323 1006	3655	333 9756
3356	281 5684	3416	291 7264	3476	302 0644	3536	312 5824	3596	323 2804	3656	334 1584
3357	281 7362	3417	291 8972	3477	302 2382	3537	312 7592	3597	323 4602	3657	334 3412
3358	281 9041	3418	292 0681	3478	302 4121	3538	312 9361	3598	323 6401	3658	334 5241
3359	282 0720	3419	292 2390	3479	302 5860	3539	313 1130	3599	323 8200	3659	334 7070
3360	282 2400	3420	292 4100	3480	302 7600	3540	313 2900	3600	324 0000	3660	334 8900

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
3661	335 0730	3721	346 1460	3781	357 3990	3841	368 8320	3901	380 4450	3961	392 2380
3662	335 2561	3722	346 3321	3782	357 5881	3842	369 0241	3902	380 6401	3962	392 4361
3663	335 4392	3723	346 5182	3783	357 7772	3843	369 2162	3903	380 8352	3963	392 6342
3664	335 6224	3724	346 7044	3784	357 9664	3844	369 4084	3904	381 0304	3964	392 8324
3665	335 8056	3725	346 8906	3785	358 1556	3845	369 6006	3905	381 2256	3965	393 0306
3666	335 9889	3726	347 0769	3786	358 3449	3846	369 7929	3906	381 4209	3966	393 2289
3667	336 1722	3727	347 2632	3787	358 5342	3847	369 9852	3907	381 6162	3967	393 4272
3668	336 3556	3728	347 4496	3788	358 7236	3848	370 1776	3908	381 8116	3968	393 6256
3669	336 5390	3729	347 6360	3789	358 9130	3849	370 3700	3909	382 0070	3969	393 8240
3670	336 7225	3730	347 8225	3790	359 1025	3850	370 5625	3910	382 2025	3970	394 0225
3671	336 9060	3731	348 0090	3791	359 2920	3851	370 7550	3911	382 3980	3971	394 2210
3672	337 0896	3732	348 1956	3792	359 4816	3852	370 9476	3912	382 5936	3972	394 4196
3673	337 2732	3733	348 3822	3793	359 6712	3853	371 1402	3913	382 7892	3973	394 6182
3674	337 4569	3734	348 5689	3794	359 8609	3854	371 3329	3914	382 9849	3974	394 8169
3675	337 6406	3735	348 7556	3795	360 0506	3855	371 5256	3915	383 1806	3975	395 0156
3676	337 8244	3736	348 9424	3796	360 2404	3856	371 7184	3916	383 3764	3976	395 2144
3677	338 0082	3737	349 1292	3797	360 4302	3857	371 9112	3917	383 5722	3977	395 4132
3678	338 1921	3738	349 3161	3798	360 6201	3858	372 1041	3918	383 7681	3978	395 6121
3679	338 3760	3739	349 5030	3799	360 8100	3859	372 2970	3919	383 9640	3979	395 8110
3680	338 5600	3740	349 6900	3800	361 0000	3860	372 4900	3920	384 1600	3980	396 0100
3681	338 7440	3741	349 8770	3801	361 1900	3861	372 6830	3921	384 3560	3981	396 2090
3682	338 9281	3742	350 0641	3802	361 3801	3862	372 8761	3922	384 5521	3982	396 4081
3683	339 1122	3743	350 2512	3803	361 5702	3863	373 0692	3923	384 7482	3983	396 6072
3684	339 2964	3744	350 4384	3804	361 7604	3864	373 2624	3924	384 9444	3984	396 8064
3685	339 4803	3745	350 6256	3805	361 9506	3865	373 4556	3925	385 1406	3985	397 0056
3686	339 6649	3746	350 8129	3806	362 1409	3866	373 6489	3926	385 3369	3986	397 2049
3687	339 8492	3747	351 0002	3807	362 3312	3867	373 8422	3927	385 5332	3987	397 4042
3688	340 0336	3748	351 1876	3808	362 5216	3868	374 0356	3928	385 7296	3988	397 6036
3689	340 2180	3749	351 3750	3809	362 7120	3869	374 2290	3929	385 9260	3989	397 8030
3690	340 4025	3750	351 5625	3810	362 9025	3870	374 4225	3930	386 1225	3990	398 0025
3691	340 5870	3751	351 7500	3811	363 0930	3871	374 6160	3931	386 3190	3991	398 2020
3692	340 7716	3752	351 9376	3812	363 2836	3872	374 8096	3932	386 5156	3992	398 4016
3693	340 9562	3753	352 1252	3813	363 4742	3873	375 0032	3933	386 7122	3993	398 6012
3694	341 1409	3754	352 3129	3814	363 6649	3874	375 1969	3934	386 9089	3994	398 8009
3695	341 3256	3755	352 5006	3815	363 8556	3875	375 3906	3935	387 1056	3995	399 0006
3696	341 5104	3756	352 6884	3816	364 0464	3876	375 5844	3936	387 3024	3996	399 2004
3697	341 6952	3757	352 8762	3817	364 2372	3877	375 7782	3937	387 4992	3997	399 4002
3698	341 8801	3758	353 0641	3818	364 4281	3878	375 9721	3938	387 6961	3998	399 6001
3699	342 0650	3759	353 2520	3819	364 6190	3879	376 1660	3939	387 8930	3999	399 8000
3700	342 2500	3760	353 4400	3820	364 8100	3880	376 3600	3940	388 0900	4000	400 0000
3701 3702 3703 3704 3705	342 4350 342 6201 342 8052 342 9904 343 1756	3764	353 6280 353 8161 354 0042 354 1924 354 3806	3822 3823 3824	365 0010 365 1921 365 3832 365 5744 365 7656	3881 3882 3883 3884 3885	376 5540 376 7481 376 9422 377 1364 377 3806	3941 3942 3943 3944 3945	388 2870 388 4841 388 6812 388 8784 389 0756	4004	400 2000 400 4001 400 6002 400 8004 401 0006
3706 3707 3708 3709 3710	343 3609 343 5462 343 7316 343 9170 344 1025	3768 3769	354 5689 354 7572 354 9456 355 1340 355 3225	3827 3828 3829	365 9569 366 1482 366 3396 366 5310 366 7225	3887 3888 3889	378 1080	3946 3947 3948 3949 3950	389 2729 389 4702 389 6676 389 8650 390 0625	4007 4008 4009	401 2009 401 4012 401 6016 401 8020 402 0025
3711 3712 3713 3714 3715	344 2880 344 4736 344 6592 344 8449 345 0306	3771 3772 3773 3774	355 5110 355 6996 355 8882 356 0769 356 2656	3831 3832 3833 3834	366 9140 367 1056 367 2972 367 4889 367 6806	3891 3892 3893 3894	378 4970 378 6916 378 8862 379 0809	3951 3952 3953 3954 3955	390 2600 390 4576 390 6552 390 8529 391 0506	4012 4013 4014	402 2030 402 4036 402 6042 402 8049 403 0056
3716 3717 3718 3719 3720	345 2164 345 4022 345 5881 345 7740	3776 3777 3778 3779	356 4544 356 6432 356 8321 357 0210 357 2100	3836 3837 3838 3839	367 8724 368 0642 368 2561 368 4480 368 6400	3896 3897 3898 3899	379 4704 379 6652 379 8601 380 0550	3956 3957 3958 3959	391 2484 391 4462 391 6441 391 8420	4016 4017 4018 4019	403 2064 403 4079 403 6081 403 8090

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
4021	404 2110	4081	416 3640	4141	428 6970	4201	441 2100	4261	453 9030	4321	466 7760
4022	404 4121	4082	416 5681	4142	428 9041	4202	441 4201	4262	454 1161	4322	466 9921
4023	404 6132	4083	416 7722	4143	429 1112	4203	441 6302	4263	454 3292	4323	467 2082
4024	404 8144	4084	416 9764	4144	429 3184	4204	441 8404	4264	454 5424	4324	467 4244
4025	405 0156	4085	417 1806	4145	429 5256	4205	442 0506	4265	454 7556	4325	467 6406
4026	405 2169	4086	417 3849	4146	429 7329	4206	442 2609	4266	454 9689	4326	467 8569
4027	405 4182	4087	417 5892	4147	429 9402	4207	442 4712	4267	455 1822	4327	468 0732
4028	405 6196	4088	417 7936	4148	430 1476	4208	442 6816	4268	455 3956	4328	468 2896
4029	405 8210	4089	417 9980	4149	430 3550	4209	442 8920	4269	455 6090	4329	468 5060
4030	406 0225	4090	418 2025	4150	430 5625	4210	443 1025	4270	455 8225	4330	468 7225
4031	406 2240	4091	418 4070	4151	430 7700	4211	443 3130	4271	456 0360	4331	468 9390
4032	406 4256	4092	418 6116	4152	430 9776	4212	443 5236	4272	456 2496	4332	469 1556
4033	406 6272	4093	418 8162	4153	431 1852	4213	443 7342	4273	456 4632	4333	469 3722
4034	406 8289	4094	419 0209	4154	431 3929	4214	443 9449	4274	456 6769	4334	469 5889
4035	407 0306	4095	419 2256	4155	431 6006	4215	444 1556	4275	456 8906	4335	469 8056
4036	407 2324	4096	419 4304	4156	431 8084	4216	444 3664	4276	457 1044	4336	470 0224
4037	407 4342	4097	419 6352	4157	432 0162	4217	444 5772	4277	457 3182	4337	470 2392
4038	407 6361	4098	419 8401	4158	432 2241	4218	444 7881	4278	457 5321	4338	470 4561
4039	407 8380	4099	420 0450	4159	432 4320	4219	444 9900	4279	457 7460	4339	470 6730
4040	408 0400	4100	420 2500	4160	432 6400	4220	445 2100	4280	457 9600	4340	470 8900
4041	408 2420	4101	420 4550	4161	432 8480	4221	445 4210	4281	458 1740	4341	471 1070
4042	408 4441	4102	420 6601	4162	433 0561	4222	445 6321	4282	458 3881	4342	471 3241
4043	408 6462	4103	420 8652	4163	433 2642	4223	445 8432	4283	458 6022	4343	471 5412
4044	408 8484	4104	421 0704	4164	433 4724	4224	446 0544	4284	458 8164	4344	471 7584
4045	409 0506	4105	421 2756	4165	433 6806	4225	446 2656	4285	459 0306	4345	471 9756
4046	409 2529	4106	421 4809	4166	433 8889	4226	446 4769	4286	459 2449	4346	472 1929
4047	409 4552	4107	421 6862	4167	434 0972	4227	446 6882	4287	459 4592	4347	472 4102
4048	409 6576	4108	421 8916	4168	434 3056	4228	446 8996	4288	459 6736	4348	472 6276
4049	409 8600	4109	422 0970	4169	434 5140	4229	447 1110	4289	459 8880	4349	472 8450
4050	410 0625	4110	422 3025	4170	434 7225	4230	447 3225	4290	460 1025	4350	473 0625
4051	410 2650	4111	422 5080	4171	434 9310	4231	447 5340	4291	460 3170	4351	473 2800
4052	410 4676	4112	422 7136	4172	435 1396	4232	447 7456	4292	460 5316	4352	473 4976
4058	410 6702	4113	422 9192	4173	435 3482	4233	447 9572	4293	460 7462	4353	473 7152
4054	410 8729	4114	423 1249	4174	435 5569	4234	448 1689	4294	460 9609	4354	473 9329
4055	411 0756	4115	423 3306	4175	435 7656	4235	448 3806	4295	461 1756	4355	474 1506
4056	411 2784	4116	423 5364	4176	435 9744	4236	448 5924	4296	461 3904	4356	474 3684
4057	411 4812	4117	423 7422	4177	436 1832	4237	448 8042	4297	461 6052	4357	474 5862
4058	411 6841	4118	423 9481	4178	436 3921	4238	449 0161	4298	461 8201	4358	474 8041
4059	411 8870	4119	424 1540	4179	436 6010	4239	449 2280	4299	462 0350	4359	475 0220
4060	412 0900	4120	424 3600	4180	436 8100	4240	449 4400	4300	462 2500	4360	475 2400
4061	412 2930	4121	424 5660	4181	437 0190	4241	449 6520	4301	462 4650	4361	475 4580
4062	412 4961	4122	424 7721	4182	437 2281	4242	449 8641	4302	462 6801	4362	475 6761
4063	412 6992	4123	424 9782	4183	437 4372	4243	450 0762	4303	462 8952	4363	475 8942
4064	412 9024	4124	425 1844	4184	437 6464	4244	450 2884	4304	463 1104	4364	476 1124
4065	413 1056	4125	425 3906	4185	437 8556	4245	450 5006	4305	463 3256	4365	476 3306
4066	413 3089	4126	425 5969	4186	438 0649	4246	450 7129	4306	463 5409	4366	476 5489
4067	413 5122	4127	425 8032	4187	438 2742	4247	450 9252	4307	463 7562	4367	476 7672
4068	413 7156	4128	426 0096	4188	438 4836	4248	451 1376	4308	463 9716	4368	476 9856
4069	413 9190	4129	426 2160	4189	438 5930	4249	451 3500	4309	464 1870	4369	477 2040
4070	414 1225	4130	426 4225	4190	438 9025	4250	451 5625	4310	464 4025	4370	477 4225
4071	414 3260	4131	426 6290	4191	439 1120	4251	451 7750	4311	464 6180	4371	477 6410
4072	414 5296	4132	426 8356	4192	439 3216	4252	451 9876	4312.	464 8336	4372	477 8596
4073	414 7332	4133	427 0422	4193	439 5312	4253	452 2002	4313	465 0492	4373	478 0782
4074	414 9369	4134	427 2489	4194	439 7409	4254	452 4129	4314	465 2649	4374	478 2969
4075	415 1406	4135	427 4556	4195	439 9506	4255	452 6256	4315	465 4806	4375	478 5156
4076	415 3444	4136	427 6624	4196	440 1604	4256	452 8384	4316	465 6964	4376	478 7344
4077	415 5482	4137	427 8692	4197	440 3702	4257	453 0512	4317	465 9122	4377	478 9532
4078	415 7521	4138	428 0761	4198	440 5801	4258	453 2641	4318	466 1281	4378	479 1721
4079	415 9560	4139	428 2830	4199	440 7900	4259	453 4770	4319	466 3440	4379	479 3910
4080	416 1600	4140	428 4900	4200	441 0000	4260	453 6900	4320	466 5600	4380	479 6100

No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
4381	479 8290	4441	493 0620	4501	506 4750	4561	520 0680	4621	533 8410	4681	547 7940
4382	480 0481	4442	493 2841	4502	506 7001	4562	520 2961	4622	534 0721	4682	548 0281
4383	480 2672	4443	493 5062	4503	506 9252	4563	520 5242	4623	534 3032	4683	548 2622
4384	480 4864	4444	493 7284	4504	507 1504	4564	520 7524	4624	534 5344	4684	548 4964
4385	480 7056	4445	493 9506	4505	507 3756	4565	520 9806	4625	534 7656	4685	548 7306
4386	480 9249	4446	494 1729	4506	507 6009	4566	521 2089	4626	534 9969	4686	548 9649
4387	481 1442	4447	494 3952	4507	507 8262	4567	521 4372	4627	535 2282	4687	549 1992
4388	481 3636	4148	494 6176	4508	508 0516	4568	521 6656	4628	535 4596	4688	549 4336
4389	481 5830	4449	494 8400	4509	508 2770	4569	521 8940	4629	535 6910	4689	549 6680
4390	481 8025	4450	495 0625	4510	508 5025	4570	522 1225	4630	535 9225	4690	549 9025
4391	482 0220	4451	495 2850	4511	508 7280	4571	522 3510	4631	536 1540	4691	550 1370
4392	482 2416	4452	495 5076	4512	508 9536	4572	522 5796	4632	536 3856	4692	550 3716
4393	482 4612	4453	495 7302	4513	509 1792	4573	522 8082	4633	536 6172	4693	550 6062
4394	482 6809	4454	495 9529	4514	509 4049	4574	523 0369	4634	536 8489	4694	550 8409
4395	482 9006	4455	496 1756	4515	509 6306	4575	523 2656	4635	537 0806	4695	551 0756
4396	483 1204	4456	496 3984	4516	509 8564	4576	523 4944	4636	537 3124	4696	551 3104
4397	483 3402	4457	496 6212	4517	510 0822	4577	523 7232	4637	537 5442	4697	551 5452
4398	483 5601	4458	496 8441	4518	510 3081	4578	523 9521	4638	537 7761	4698	551 7801
4399	483 7800	4459	497 0670	4519	510 5340	4579	524 1810	4639	538 0080	4699	552 0150
4400	484 0000	4460	497 2900	4520	510 7600	4580	524 4100	4640	538 2400	4700	552 2500
4401	484 2200	4461	497 5130	4521	510 9860	4581	524 6390	4641	538 4720	4701	552 4850
4402	484 4401	4462	497 7361	4522	511 2121	4582	524 8681	4642	538 7041	4702	552 7201
4403	484 6602	4463	497 9592	4523	511 4382	4583	525 0972	4643	538 9862	4703	552 9552
4404	484 8804	4464	498 1824	4524	511 6644	4584	525 3264	4644	539 1684	4704	553 1904
4405	485 1006	4465	498 4056	4525	511 8906	4585	525 5556	4645	539 4006	4705	553 4256
4406	485 3209	4466	498 6289	4526	512 1169	4586	525 7849	4646	539 6329	4706	553 6609
4407	485 5412	4467	498 8522	4527	512 3432	4587	526 0142	4647	539 8652	4707	553 8962
4408	485 7616	4468	499 0756	4528	512 5696	4588	526 2436	4648	540 0976	4708	554 1316
4409	485 9820	4469	499 2990	4529	512 7960	4589	526 4730	4649	540 3300	4709	554 3670
4410	486 2025	4470	499 5225	4530	513 0225	4590	526 7025	4650	540 5625	4710	554 6025
4411	486 4230	4471	499 7460	4531	513 2490	4591	526 9320	4651	540 7950	4711	554 8380
4412	486 6436	4472	499 9696	4532	513 4756	4592	527 1616	4652	541 0276	4712	555 0736
4413	486 8642	4473	500 1932	4533	513 7022	4593	527 3912	4653	541 2602	4713	555 3092
4414	487 0849	4474	500 4169	4534	513 9289	4594	527 6209	4654	541 4929	4714	555 5449
4415	487 3056	4475	500 6406	4535	514 1556	4595	527 8506	4655	541 7256	4715	555 7806
4416	487 5264	4476	500 8644	4536	514 3824	4596	528 0804	4656	541 9584	4716	556 0164
4417	487 7472	4477	501 0882	4537	514 6092	4597	528 3102	4657	542 1912	4717	556 2522
4418	487 9681	4478	501 3121	4538	514 8361	4598	528 5401	4658	542 4241	4718	556 4881
4419	488 1890	4479	501 5360	4539	515 0630	4599	528 7700	4659	542 6570	4719	556 7240
4420	488 4100	4480	501 7600	4540	515 2900	4600	529 0000	4660	542 8900	4720	556 9600
4421	483 6310	4481	501 9840	4541	515 5170	4601	529 2300	4661	543 1230	4721	557 1960
4422	488 8521	4482	502 2081	4542	515 7441	4602	529 4601	4662	543 3561	4722	557 4321
4423	489 0732	4483	502 4322	4543	515 9712	4603	529 6902	4663	543 5892	4723	557 6682
4424	489 2944	4484	502 6564	4544	516 1984	4604	529 9204	4664	543 8224	4724	557 9044
4425	489 5156	4485	502 8806	4545	516 4256	4605	530 1506	4665	544 0556	4725	558 1406
4426	489 7369	4486	503 1049	4546	516 6529	4606	530 3809	4666	544 2889	4726	558 3769
4427	489 9582	4487	503 3292	4547	516 8802	4607	530 6112	4667	544 5222	4727	558 6132
4428	490 1796	4488	503 5536	4548	517 1076	4608	530 8416	4668	544 7556	4728	558 8496
4429	490 4010	4489	503 7780	4549	517 3350	4609	531 0720	4669	544 9890	4729	559 0860
4430	490 6225	4490	504 0025	4550	517 5625	4610	531 3025	4670	545 2225	4730	559 3225
4431	490 8440	4491	504 2270	4551	517 7900	4611	531 5330	4671	545 4560	4731	559 5590
4432	491 0656	4492	504 4516	4552	518 0176	4612	531 7636	4672	545 6896	4732	559 7956
4433	491 2872	4493	504 6762	4553	518 2452	4613	531 9942	4673	545 9232	4733	560 0322
4434	491 5089	4494	504 9009	4554	518 4729	4614	532 2249	4674	546 1569	4734	560 2689
4435	491 7306	4495	505 1256	4555	518 7006	4615	532 4556	4675	546 3906	4735	560 5056
4436	491 9524	4496	505 3504	4556	518 9284	4616	532 6864	4676	546 6244	4736	560 7424
4437	492 1742	4497	505 5752	4557	519 1562	4617	532 9172	4677	546 8582	4737	560 9792
4438	492 3961	4498	505 8001	4558	519 3841	4618	533 1481	4678	547 0921	4738	561 2161
4439	492 6180	4499	506 0250	4559	519 6120	4619	533 3790	4679	547 3260	4739	561 4530
4440	492 8400	4500	506 2500	4560	519 8400	4620	533 6100	4680	547 5600	4740	561 6900

gently and									-		
N	o. Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.	No.	Quar. Sq.
47- 47- 47- 47- 47-	42 562 1641 43 562 4012 44 562 6384	4801 4802 4803 4804 4805	576 2400 576 4801 576 7202 576 9604 577 2006	4861 4862 4863 4864 4865	590 7330 590 9761 591 2192 591 4624 591 7056	4921 4922 4923 4924 4925	605 4060 605 6521 605 8982 606 1444 606 3906	4981 4982 4983 4984 4985	620 2590 620 5081 620 7572 621 0064 621 2556	5041 5042 5043 5044 5045	635 2920 635 5441 635 7962 636 0484 636 3006
47- 47- 47- 47- 47- 47-	47 563 3502 48 563 5876 49 563 8250	4806 4807 4808 4809 4810	577 4409 577 6812 577 9216 578 1620 578 4025	4866 4867 4868 4869 4870	591 9489 592 1922 592 4356 592 6790 592 9225	4926 4927 4928 4929 4930	606 6369 606 8832 607 1296 607 3760 607 6225	4986 4987 4988 4989 4990	621 5049 621 7542 622 0036 622 2530 622 5025	5046 5047 5048 5049 5050	636 5529 636 8052 637 0576 637 3100 637 5625
47: 47: 47: 47: 47:	52 564 5376 53 564 7752 54 565 0129	4811 4812 4813 4814 4815	578 6430 578 8836 579 1242 579 3649 579 6056	4871 4872 4873 4874 4875	593 1660 593 4096 593 6532 593 8969 594 1406	4931 4932 4933 4934 4935	607 8690 608 1156 608 3622 608 6089 608 8556	4991 4992 4993 4994 4995	622 7520 623 0016 623 2512 623 5009 623 7506	5051 5052 5053 5054 5055	637 8150 638 0676 638 3202 638 5729 638 8256
47: 47: 47: 47: 47:	57 565 7262 58 565 9641 59 566 2020	4816 4817 4818 4819 4820	579 8464 580 0872 580 3281 580 5690 580 8100	4876 4877 4878 4879 4880	594 3844 594 6282 594 8721 595 1160 595 3600	4936 4937 4938 4939 4940	609 1024 609 3492 609 5961 609 8430 610 0900	4996 4997 4998 4999 5000	624 0004 624 2502 624 5001 624 7500 625 0000	5056 5057 5058 5059 5060	639 0784 639 3312 639 5841 639 8370 640 0900
47 47 47 47 47 47	62 566 9161 63 567 1542 64 567 3924	4821 4822 4823 4824 4825	581 0510 581 2921 581 5332 581 7744 582 0156	4881 4882 4883 4884 4885	595 6040 595 8481 596 0922 596 3364 596 5806	4941 4942 4943 4944 4945	610 3370 610 5841 610 8312 611 0784 611 3256	5001 5002 5003 5004 5005	625 2500 625 5001 625 7502 626 0004 626 2506	5061 5062 5063 5064 5065	640 3430 640 5961 640 8492 641 1024 641 3556
470 470 470 470 470	67 568 1072 68 568 3456 69 568 5840	4826 4827 4828 4829 4830	582 2569 582 4982 582 7396 582 9810 583 2225	4886 4887 4888 4889 4890	596 8249 597 0692 597 3136 597 5580 597 8025	4946 4947 4948 4949 4950	611 5729 611 8202 612 0676 612 3150 612 5625	5006 5007 5008 5009 5010	626 5009 626 7512 627 0016 627 2520 627 5025	5066 5067 5068 5069 5070	641 6089 641 8622 642 1156 642 3690 642 6225
47° 47° 47° 47° 47°	72 569 2996 73 569 5382 74 569 7769	4831 4832 4833 4834 4835	583 4640 583 7056 583 9472 584 1889 584 4306	4891 4892 4893 4894 4895	598 0470 598 2916 598 5362 598 7809 599 0256	4951 4952 4953 4954 4955	612 8100 613 0576 613 3052 613 5529 613 8006	5011 5012 5013 5014 5015	627 7530 628 0036 628 2542 628 5049 628 7556	5071 5072 5073 5074 5075	642 8760 643 1296 643 3832 643 6369 643 8906
47' 47' 47' 47' 47'	77 570 4932 78 570 7321 79 570 9710	4836 4837 4838 4839 4840	584 6724 584 9142 585 1561 585 3980 585 6400	4896 4897 4898 4899 4900	599 2704 599 5152 599 7601 600 0050 600 2500	4956 4957 4958 4959 4960	614 0484 614 2962 614 5441 614 7920 615 0400	5016 5017 5018 5019 5020	629 0064 629 2572 629 5081 629 7590 630 0100	5076 5077 5078 5079 5080	644 1444 644 3982 644 6521 644 9060 645 1600
478 478 478 478 478	82 571 6881 83 571 9272 84 572 1664	4841 4842 4843 4844 4845	585 8820 586 1241 586 3662 586 6084 586 8506	4901 4902 4903 4904 4905	600 4950 600 7401 600 9852 601 2304 601 4756	4961 4962 4963 4964 4965	615 2880 615 5361 615 7842 616 0324 616 2806	5021 5022 5023 5024 5025	630 2610 630 5121 630 7632 631 0144 631 2656	5081 5082 5083 5084 5085	645 4140 645 6681 645 9222 646 1764 646 4306
478 478 478 478 478	87 572 8842 88 573 1236 89 573 3630	4846 4847 4848 4849 4850	587 0929 587 3352 587 5776 587 8200 588 0625	4906 4907 4908 4909 4910	601 7209 601 9662 602 2116 602 4570 602 7025	4966 4967 4968 4969 4970	616 5289 616 7772 617 0256 617 2740 617 5225	5026 5027 5028 5029 5030	631 5169 631 7682 632 0196 632 2710 632 5225	5086 5087 5088 5089 5090	646 6849 646 9392 647 1936 647 4480 647 7025
479 479 479 479 479	92 574 0816 93 574 3212 94 574 5609	4851 4852 4853 4854 4855	588 3050 588 5476 588 7902 589 0329 589 2756	4911 4912 4913 4914 4915	602 9480 603 1936 603 4392 603 6849 603 9306	4971 4972 4973 4974 4975	617 7710 618 0196 618 2682 618 5169 618 7656	5031 5032 5033 5034 5035	632 7740 633 0256 633 2772 633 5289 633 7806	5091 5092 5093 5094 5095	647 9570 648 2116 648 4662 648 7209 648 9756
479 479 479 479 480	97 575 2802 98 575 5201 99 575 7600	4856 4857 4858 4859 4860	589 5184 589 7612 590 0041 590 2470 590 4900	4916 4917 4918 4919 4920	604 1764 604 4222 604 6681 604 9140 605 1600	4976 4977 4978 4979 4980	619 0144 619 2632 619 5121 619 7610 620 0100	5036 5037 5038 5039 5040	634 0324 634 2842 634 5361 634 7880 635 0400	5096 5097 5098 5099 5100	649 2304 649 4852 649 7401 649 9950 650 2500

### CONVERSION OF THE DIFFERENT THERMOMETRIC SCALES.

AHR.	Reaum.	Cent.	FAHR.	Reaum.	Cent.	FAHR.	Reaum.	Cent.	FAHR.	Reaum.	Cent.
212	80.0	100.0	150	52.4	65.6	88	24.9	31.1	26	- 2.7	- 31
211	79.6	99.4	149	52.0	65.0	87	24.4	30.6	25	- 3.1	- 3
210	79.1	98-9	148	51.6	64.4	86	24.0	30.0	24	- 3.6	- 4
209	78.7	98.3	147	51.1	63.9	85	23.6	29.4	23	- 4.0	- 5
208 207	78.2	97.8	146	50.7	63.3	84	23.1	28.9	22	- 4·4 - 4·9	- 5°
206	77·8 77·3	97·2 96·7	145	50·2 49·8	62.8	83 82	22·7 22·2	28·3 27·8	21 20	- 5.3	- 6
205	76.9	96.1	143	49.3	61.7	81	21.8	27.2	19	- 5.8	- 7
204	76.4	95.6	142	48-9	61.1	80	21.3	26.7	18	- 6.2	- 7
203	76.0	95.0	141	48.4	60.6	79	20.9	26.1	17	- 6.7	- 8
202	75.6	94.4	140	48.0	60.0	78	20.4	25.6	16	- 7.1	- 8
201 200	75·1 74·7	93.3	139 138	47.6 47.1	59·4 58·9	77 76	20.0	25.0	15	- 7·6 - 8·0	- 9 -10
199	74.2	92.8	137	46.7	58.3	75	19.6	24·4 23·9	14	- 8·0 - 8·4	-10 -10
198	73.8	92.2	136	46.2	57.8	74	18.7	23.3	12	- 8.9	-11
197	73.3	91.7	135	45.8	57.2	73	18.2	22.8	11	- 9.3	-11
196	72.9	91.1	134	45.3	56.7	72	17.8	22.2	10	- 9.8	-12
195	72.4	90.6	133	44.9	56.1	71	17.3	21.7	9	-10.2	-12
194	72.0	90.0	132	44.4	55.6	70	16.9	21.1	8	-10.7	-13
193 192	71.6	89·4 88·9	131 130	44.0	55·0 54·4	69 68	16.4	20.6	7 6	-11·1 -11·6	-13
191	70.7	88.3	129	43.1	53-9	67	16.0 15.6	20·0 19·4	5	-12.0	-14 $-15$
190	70.2	87.8	128	42.7	53.3	66	15.1	18.9	4	-12.4	-15 -15
189	69.8	87.2	127	42.2	52.8	65	14.7	18.3	3	-12.9	-16
188	69.3	86.7	126	41.8	52.2	64	14.2	17.8	2	-13.3	-16
187	68.9	86.1	125	41.3	51.7	63	13.8	17.2	1	-13.8	-17
186	68.4	85.6	124	40.9	51.1	62	13.3	16.7	0	-14.2	-17
185 184	68.0	85·0 84·4	123 122	40.4	50·6 50·0	61	12.9	16.1	$-\frac{1}{-2}$	-14·7 -15·1	-18
183	67.1	83.9	121	39.6	49.4	59	12·4 12·0	15·6 15·0	- <sup>2</sup> / <sub>3</sub>	-15.6	-18 $-19$
182	66.7	83.3	120	39.1	48.9	58	11.6	14.4	- 4	-16.0	-20
181	66.2	82.8	119	38.7	48.3	57	11.1	13.9	- 5	-16.4	-20
180	65.8	82.2	118	38.2	47.8	56	10.7	13.3	- 6	-16.9	-21
179	65.3	81.7	117	37.8	47.2	55	10.2	12.8	<b>-</b> 7	-17:3	-21
178 177	64.4	81.1	116 115	37.3	46·7 46·1	54	9.8	12·2 11·7	- 8 - 9	-17·8 -18·2	$-22 \\ -22$
176	64.0	80.0	114	36.4	45.6	53 52	8.9	11.1	-10	-18·7	-22 -23
175	63.6	79.4	113	36.0	45.0	51	8.4	10.6	-11	-19.1	-23
174	63.1	78.9	112	35.6	44.4	50	8.0	10.0	-12	-19.6	-24
173	62.7	78.3	111	35.1	43.9	49	7.6	9.4	-13	-20.0	-25
172	62.2	77.8	110	34.7	43.3	48	7.1	8.9	-14	-20.4	-25
171 170	61.3	77·2 76·7	109 108	34.2	42·8 42·2	47	6.7	8.3	-15	-20.9	-26
169	60.9	76.1	108	33.3	41.7	46	6·2 5·8	7·8 7·2	-16 $-17$	-21·3 -21·8	-26 $-27$
168	60.4	75.6	106	32.9	41.1	44	5.3	6.7	-18	-22.2	-27
167	60.0	75.0	105	32.4	40.6	43	4.9	6.1	-19	-22.7	-28
166	59.6	74.4	104	32.0	40.0	42	4.4	5.6	-20	-23.1	-28
165	59.1	73.9	103	31.6	39.4	41	4.0	5.0	-21	-23.6	-29
164	58.7	73.3	102	31.1	38.9	40	3.6	4.4	-22	-24.0	-30
163 162	58·2 57·8	72·8 72·2	101 100	30.7	38·3 37·8	39	3.1	3.9	-23	-24.4	-30
161	57.3	71.7	99	29.8	37.2	38	2.7	3·3 2·8	-24 $-25$	-24·9 -25·3	$-31 \\ -31$
160	56.9	71.1	98	29.3	36.7	36	1.8	2.2	-26	-25.8	$-31 \\ -32$
159	56.4	70.6	97	28-9	36.1	35	1.3	1.7	-27	-26.2	-32
158	56.0	70.0	96	28.4	35.6	34	0.9	1.1	-28	-26.7	-33
157	55.6	69.4	95	28.0	35.0	33	0.4	0.6	-29	-27.1	-33
156 155	55·1 54·7	68.3	94	27.6	84.4	32	0.0	0.0	-30	-27.6	-34
154	54.2	67.8	93	27.1	33.3	31	-0.4	-0.6 -1.1	$-31 \\ -32$	-28·0 -28·4	-35 -35
153	53.8	67.2	91	26.2	32.8	29	-1.3	-17	-33	-28.9	-35 -36
152	53.3	66.7	90	25.8	32.2	28	-1.8	-2.2	-34	-29.3	-36
151	52.9	66.1	89	25.3	31.7	27	-2.2	-2.8	-35	-29.8	-37

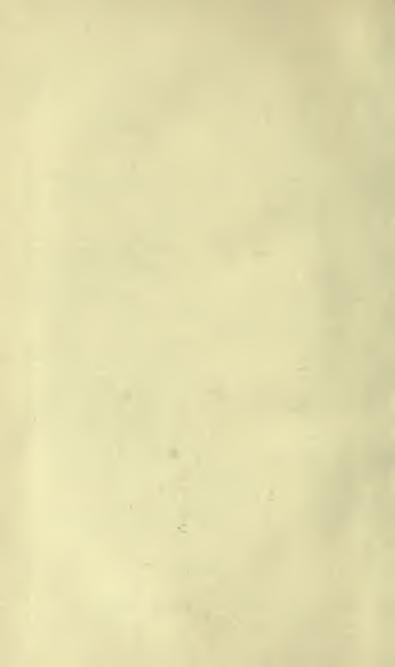
Log.
Circumference of a circle to diameter 1.
Circumference of a circle to diameter 1.
Surface of a sphere to diameter 1.  Area of a circle to diameter 1.  Area of a circle to diameter 1.  Volume of a sphere to diameter 1. $= \frac{1}{8}\pi$ $= 0.7853981634$ Volume of a sphere to radius 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ Volume of a sphere to radius 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ Volume of a sphere to radius 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ Volume of a sphere to radius 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ Volume of a sphere to radius 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ Volume of a sphere to radius 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ $= 0.7853987750$ Volume of a sphere to diameter 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ Volume of a sphere to radius 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ $= 0.7853987750$ Volume of a sphere to diameter 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ $= 0.7853987750$ $= 0.7853987750$ Volume of a sphere to radius 1. $= \frac{1}{8}\pi$ $= 0.7853987750$ $= 0.7853987750$ $= 0.7853987750$ $= 0.7853987750$ $= 0.7853987750$ $= 0.7853987750$ $= 0.7853997750$ $= 0.7853997750$ $= 0.7853997750$ $= 0.7853997750$ $= 0.7853997750$ $= 0.7853997750$ $= 0.7853997750$ $= 0.7853997750$ $= 0.7853997750$ $= 0.7853997770$ $= 0.78539977740$ $= 0.78539977740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.78539977740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.78539997741$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.78539997741$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997740$ $= 0.7853997744$ $= 0.7853997744$ $= 0.7853997744$ $= 0.7853997744$ $= 0.7853997744$ $= 0.7853997744$ $= 0.7853997744$ $= 0.7853997744$ $= 0.7853997744$ $= 0.7853997744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785399744$ $= 0.785$
Area of a circle to diameter 1. $= \frac{1}{4}\pi$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Base of Naperian logarithms.         1 ÷ $π^2$ 0 · 1013211836         1 · 0057003           Modulus of the common logarithms         = t         2 · 7182518285         0 · 4342944819           Naperian logarithm of $π$ = 1 · 1447298858         0 · 0587030           Arc equal to radius expressed in degrees.         = 57 · 205779513         1 · 7581226           — minutes         = 3437 · 74677078         3 · 5582739           — beconds         = 200264 · 800247         5 · 2144251           Length of one degree in parts of radius         = 0 · 0174532925         5 · 2144251           Length of one minute in parts of radius         = 0002908882         2 · 2418773           Length of one minute in parts of radius         = 0002908882         2 · 4637261           24 Hours expressed in seconds of time         = 86400         4 · 9365187           12 Hours expressed in seconds of time         = 43200         4 · 6354887           Number of feet in 1 mile         = 5280         3 · 7226330           Sidereal year in mean solar days         = 365 · 256374417         2 · 5625078           Sidereal rotation of earth in mean solar seconds         = 80104 · 0096088         4 · 93532264           Acceleration of stars in solar day         = 235 · 50945 s. sidereal time         2 · 3727453           Equatorial radius
Base of Naperian logarithms.       = \$\$\$ 2.7182818285\$       0.4342945         Modulus of the common logarithms       = M       = 0.4342944819       1.6377843         Naperian logarithm of $\pi$ = 1.71447298858       0.0587030       0.0587030         Arc equal to radius expressed in degrees.       = 57.295779618       1.7581226         — minutes       = 3437.74677078       3.5362739         seconds       = 200264.900247       5.3144261         Length of one degree in parts of radius       = 0002908882       7.46872925         Length of one minute in parts of radius       = 0002908882       7.4687291         360 Degrees expressed in seconds       = 1290000       6.1126050         24 Hours expressed in seconds of time       = 84300       4.9365187         Number of feet in 1 mile       = 5280       3.7220339         Sidereal year in mean solar days       = 365.250374417       2.5625078         Sidereal year in mean solar day       = 236.55535 s. sidereal time       2.23727453         Acceleration of stars in solar day       = 235.90945 s. solar time       2.23727453         Equatorial radius of the earth in English feet       = 20023600       7.3206364         Polar radius of the earth in English feet       = 362748 33       5.5596064         Degree of latitude at the
Modulus of the common logarithms       = M       = 0.4342944819 $\bar{1}$ -6377843         Naperian logarithm of $\pi$ = 1.1447298855       0.0587080         Arc equal to radius expressed in degrees       = 57·205779513       1.7581226         minutes       = 3437.74677078       3·5662739         seconds       = 206264·806247       5·3144251         Length of one degree in parts of radius       = 0174453292       2·2418773         Length of one minute in parts of radius       = 0002908882       4·4637261         360 Degrees expressed in seconds       = 1290000       6·1129060         24 Hours expressed in seconds of time       = 80400       4·9365137         12 Hours expressed in seconds of time       = 43200       4·9365187         Number of feet in 1 mile       = 5680       3·7226339         Sidereal year in mean solar days       = 365·255355       s. sidereal time       2·5625978         Acceleration of stars in solar day       = 235·90945       s. solar time       2·3727458         Equatorial radius of the earth in English feet       = 20923600       7·3206364         Polar radius of the earth in English feet       = 20853657       7·3101822         Degree of latitude at the equator in English feet       = 36748·33       5·5596064         Degree of lat
Naperian logarithm of $\pi$ .       = 11447298858       0.0557030         Arc equal to radius expressed in degrees.       = 57 *205779613       1.7581226         minutes       = 3437 *74677078       3.5362739         seconds.       = 200264*500247       52144261         Length of one degree in parts of radius       = 0174532925       5241873         Length of one minute in parts of radius       = 000290882       62126000         24 Hours expressed in seconds.       = 1290000       61126050         24 Hours expressed in seconds of time       = 86400       49365137         12 Hours expressed in seconds of time       = 48200       49365137         12 Hours expressed in seconds of time       = 5280       3722633         Sideral year in mean solar days       = 365*256374417       2:6625078         Sideral rotation of earth in mean solar seconds       = 86164*0906888       4*0853264         Acceleration of stars in solar day       = 235*55535       sidereal time       2:27373932         Equatorial radius of the earth in English feet       = 20923600       7:3206364         Polar radius of the earth in English feet       = 20923600       7:3206364         Polar radius of the earth in English feet       = 364571*77       5:5596064         Degree of latitude at the equator in English feet
Arc equal to radius expressed in degrees. = 57 '205779513   1.7581226
minutes
Seconds
Length of one degree in parts of radius = '0174532925
Length of one minute in parts of radius.       = '0002908882       \$\frac{1}{4}\text{4637261}\$         360 Degrees expressed in seconds.       = 1290000       6:1126060         24 Hours expressed in seconds of time.       = 86400       4:9365137         12 Hours expressed in seconds of time.       = 43200       4:0354837         Number of feet in 1 mile.       = 5280       3:7226339         Sidereal year in mean solar days.       = 365*256374417       2:5625973         Sidereal rotation of earth in mean solar seconds.       = 86164*09966883       4:9353264         Acceleration of stars in solar day       = 235*50595 s. sidereal time.       2:3739328         Equatorial radius of the earth in English feet.       = 20923000       7:3206364         Polar radius of the earth in English feet.       = 20853657       7:3101822         Degree of latitude at the equator in English feet.       = 362748*33       5:5590664         Degree of latitude at 45° in English feet.       = 364571*77       5:5617830         (French toises into French mètres.       = 1:94093659       0:2898200
360 Degrees expressed in seconds.       =       1296000       6·1126050         24 Hours expressed in seconds of time       =       80400       4·9365137         12 Hours expressed in seconds of time       =       43200       4·6354837         Number of feet in 1 mile       =       5280       3·7226339         Sidereal year in mean solar days       =       365·256374417       2·5625978         Sidereal rotation of earth in mean solar seconds       =       80104·09966883       4·9363264         Acceleration of stars in solar day       =       236·55535 s. sidereal time       2·3727453         Equatorial radius of the earth in English feet       =       20923600       7·3206364         Polar radius of the earth in English feet       =       20853657       7·3101822         Degree of latitude at the equator in English feet       =       362748·33       5·5596054         Degree of latitude at 45° in English feet       =       304571·77       5·5617830         (French toises into French mètres       =       1.94093659       0·2898200
24 Hours expressed in seconds of time       =       86400       4'9365137         12 Hours expressed in seconds of time       =       43200         Number of feet in 1 mile       =       5280       3'722633         Sidereal year in mean solar days       =       365'256374417       2'5625078         Sidereal rotation of earth in mean solar seconds       =       86164'09096888       4'9363264         Acceleration of stars in solar day       =       236'55535 s. sidereal time       2'3783828         Equatorial radius of the earth in English feet       =       20923600       7'3206364         Polar radius of the earth in English feet       =       20853657       7'310182         Degree of latitude at the equator in English feet       =       364571'77       5'5506054         Degree of latitude at 45' in English feet       =       304571'77       5'5617830         (French toises into French mètres       =       1.94903659       0'2898200
12 Hours expressed in seconds of time       =       43200       4 0354837         Number of feet in 1 mile       =       5280       3 7226339         Sidereal year in mean solar days       =       365*256874417       2:5625078         Sidereal rotation of earth in mean solar seconds       =       86164*09966888       4*9353264         Acceleration of stars in solar day       =       236*55585       s. solar time       2:3739328         Equatorial radius of the earth in English feet       =       20023000       7:3206364         Polar radius of the earth in English feet       =       20853657       7:3191822         Degree of latitude at the equator in English feet       =       362748*33       5:5590664         Degree of latitude at 45° in English feet       =       364571*77       5:5617830         (French toises into French mètres       =       1:94093659       0*2898200
Number of feet in 1 mile.       =       5280       3.7226330         Sidereal year in mean solar days.       =       365*25637412       2:5625978         Sidereal rotation of earth in mean solar seconds.       =       86104*09966883       4:9353264         Acceleration of stars in solar day       =       236*55535 s. sidereal time.       2:3723928         Equatorial radius of the earth in English feet.       =       20023600       7:3206364         Polar radius of the earth in English feet.       =       20853657       7:3191822         Degree of latitude at the equator in English feet.       =       362748*33       5:5590664         Degree of latitude at 45° in English feet.       =       364571*77       5:5617830         (French toises into French mètres.       =       1:94093659       0:2898200
Sidereal year in mean solar days       = 365-256374417       2:5625978         Sidereal rotation of earth in mean solar seconds       = 80104-09966883       4:9353264         Acceleration of stars in solar day       = 236-55535 s. sidereal time.       2:3739328         Equatorial radius of the earth in English feet.       = 20923600       7:3206364         Polar radius of the earth in English feet.       = 20853657       7:3191826         Degree of latitude at the equator in English feet.       = 362748-33       5:5596064         Degree of latitude at 45° in English feet.       = 364571-77       5:5617830         French toises into French mètres       = 1:94093659       0:2898200
Sidereal rotation of earth in mean solar seconds.       =       80164 090906888       4 9353264         Acceleration of stars in solar day       =       236 55535 s. sidereal time.       2 937328326         Equatorial radius of the earth in English feet.       =       20923600       7 3206364         Polar radius of the earth in English feet.       =       20853657       7 3101822         Degree of latitude at the equator in English feet.       =       36274837       5 5596054         Degree of latitude at 45' in English feet.       =       30457177       5 5617830         (French toises into French mètres.       =       1 94903659       0 -2898200
Acceleration of stars in solar day
=     235 '00945 s. solar time
Equatorial radius of the earth in English feet.       =       20923600       7:3206364         Polar radius of the earth in English feet.       =       20853057       7:3101822         Degree of latitude at the equator in English feet.       =       362748:33       5:5596054         Degree of latitude at 45' in English feet.       =       304571:77       5:617830         French toises into French mètres.       =       1.94903659       0:2898200
Polar radius of the earth in English feet.       =       20853657       7:3191822         Degree of latitude at the equator in English feet.       =       362748:33       5:5596064         Degree of latitude at 45° in English feet.       =       364571:77       5:5617830         French toises into French mètres.       =       194093050       0:2898200
Degree of latitude at the equator in English feet.
Degree of latitude at 45° in English feet
French toises into French mètres = 1.94903659 0.2898200
. T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
French roses into English teet
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1 Teneri anogrammes mee ibs aron;
(
D ' 90-19000 + F00F010
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Velocity of falling bodies in feet at the end of the first second—  1.5921901
New York = 39·1012 1·5921901  Velocity of falling bodies in feet at the end of the first second— at London = 32·19078 1·5977315
Velocity of falling bodies in feet at the end of the first second—

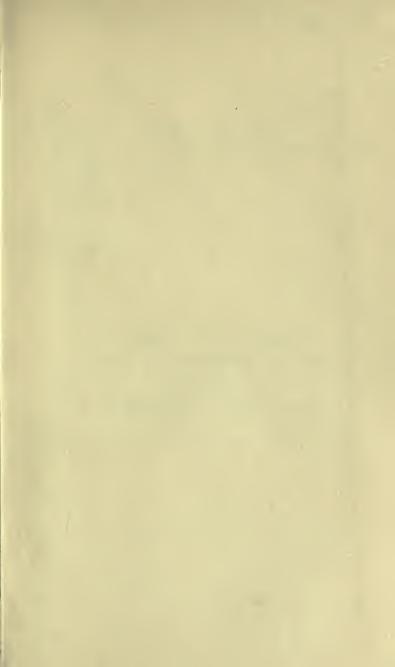
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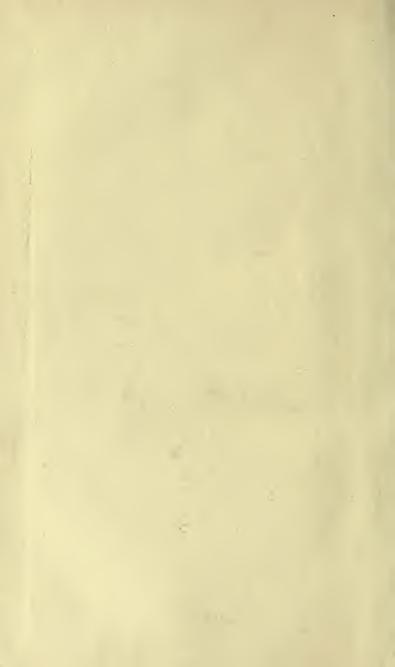
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